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OCCUPATIONAL EMPLOYMENT STATISTICS OF MONTANA 1985

TRANSPORTATION, COMMUNICATION, PUBLIC UTILITIES

WHOLESALE AND RETAIL TRADE

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TED SCHWINDEN, GOVERNOR

P O BOX 1728

STATE OF MONTANA

(406) 444-4500

HELENA, MONTANA 59624

Dear Reader:

The purpose of this publication is to report the estimated number of people, by occupation, that were working in selected Montana industries in 1985. A further description can be found in the "INTRODUCTION."

I am sure this publication will be useful to you. Any suggestions or comments for improvements are always welcome.

Sincerely,

Bob Rafferty, Chief
Research & Analysis Bureau

OCCUPATIONAL EMPLOYMENT STATISTICS

1985 Statewide Survey of
Transportation, Communication & Utilities
Wholesale & Retail Trade
Education
State & Local Government

State of Montana
Ted Schwinden, Governor

Department of Labor and Industry
Gene Huntington, Commissioner

Montana Department of
Labor and Industry
Research & Analysis Bureau
Labor Market Information Section
P.O. Box 1728
Helena, Montana 59624

August 1986

ACKNOWLEDGEMENTS

We would like to express our appreciation to all the employers who took the time to complete the survey questionnaires. Their cooperation and support is the key to a successful Occupational Employment Statistics program.

Acknowledgement is also to be given to the Bureau of Labor Statistics offices in Washington D.C. and Kansas City, Missouri for their financial and technical support.

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INTRODUCTION

The Occupational Employment Statistics Program (OES) was developed by the United States Bureau of Labor Statistics to meet a demand for current occupational information. The program is designed to: (1) provide staffing profiles by industry, (2) identify emerging and disappearing occupations, (3) assist in the development of educational and training programs, and (4) provide current occupational information for employment and educational counselors.

The OES survey covers all nonagricultural industries, excluding private households. The survey is conducted over a three year cycle. Its purpose is to obtain employment by occupation by industry. Manufacturing and hospital industries are surveyed in the first year; one-half of the nonmanufacturing industries in the second year; and the remainder of the nonmanufacturing industries in the third year. Data are collected from employing establishments primarily by mail; telephone followups and personal visits are used when an establishment's response is critical to the survey. The survey is based on a random sample, stratified by industry and size; it is designed to represent the universe of esablishments covered by the survey. The data obtained from the survey are then used to estimate employment by occupation and industry.

The one exception to the random sample procedure that was used was in State Government (TABLE 19). Since State Government is all inclusive and is considered as one employer, the data shown in table 19 represents the entire universe(i.e.,State Government was surveyed as one unit).

A major component of the OES system is the development of an industry/occupation matrix system, a model representing the occupational staffing patterns of each industry. Basically, it reflects the typical staffing pattern of each industry in terms of the ratio of occupational employment in each industry to total employment in each industry. The data are arrayed in the form of a grid, industries by occupations. The value of the matrix in this form is that it shows where people work and what they do.

The information contained in this publication portrays the results of the OES survey of transportation, communication, public utilities, wholesale and retail trade, education, and state and local government.

METHODOLOGY

The Sample. The sample for this survey was selected from the ES-202 report, which is a listing of all employing units within the state covered under the unemployment insurance law. The units within the universe were stratified by industry, 3 digit Standard Industrial Classification (SIC) and within industry by size. Each sample cell was assigned a sample ratio based upon the employment within the cell. The present survey consisted of a sample of approximately 4,202 establishments with more than 122,143 in employment.

The Survey Questionnaire. The questionnaires used for the OES survey were tailored to each specific industry's occupational structure. For example, the questionnaire for a trucking firm did not list "blueprint machine operator" as an occupation. Respondents were asked to report each worker in the appropriate occupational category listed on the form and to count an employee only once. Each questionnaire was limited to a maximum of 200 occupations; residual categories, such as "all other professioanl workers" were included so that total employment could be listed. Employers were asked to identify occupations and duties listed in the residual categories so that these occupations could be identified.

Estimating Procedure. The estimating method used in this survey was a ratio estimate. Each unit within a size class within a three digit SIC was assigned a weight. The weight assigned was the inverse of the sampling ratio, the probability of sample selection. Estimates were calculated by 1) taking the total employment and the employment for each occupation reported and multiplying them by the sample weight for each establishment in the estimating cell; 2) deriving the ratio of the summed weighted occupational employment to the summed weighted reported employment for each cell; and, 3) the ratio derived in the previous step was multiplied by the benchmark employment for that estimating cell as of the reference date of the survey (April, May or June of 1985) yielding the occupational structure of each estimating cell. May was chosen as the reference month for industries (sic) 41, 42 and 48. June for industries 45, and 50 thru 59, and April for the remainder.

Limitations of Data. The estimates in this report were based on a sample. It is unlikely that the numbers would be exactly the same had it been possible to take a complete census of all establishments in each industry. The probable error resulting from sampling is indicated by the estimates relative error for each occupation. Nonsampling errors may also taint the accuracy of the estimates. These errors arise from faulty response to survey questionnaires, physical errors in processing surveys, computational errors, etc. Great care was taken to minimize these errors as much as possible. Employment counts were not complete. All employment data in the report relate to the nonagricultural wage and salaried class of worker exclusively. Those excluded from the counts were agricultural workers, self-employed and unpaid family workers. Finally, the "work-force" concept of employment was used in the study; that is, the counts reflect the number of jobs and not the persons holding the jobs.

METHODOLOGY(Continued)

Publishing Criteria. A. The criteria used in publishing the employment estimates for a particular industry were 1) that a response rate of at least 50% of the employment within that industry was obtained, and 2) that the total estimated employment within that industry be at least 500. If these two conditions were not met, employment estimates for that particular industry were not made. Nor would employment estimates for a particular industry be published if the industry is dominated by one or two employers who do not wish to have the results of their survey published.

B. The criteria used in publishing a specific occupation were 1) that the estimated employment be at least 10, and 2) that the estimate for that particular occupation have a relative error of less than 50%. If these two conditions were not met, then the estimated employment for the occupation was rolled into the appropriate "All Other" category.

TABLES

Table Format. The following tables are a listing of the individual industry/occupation staffing patterns resulting from the OES estimating system. The data have been edited following Bureau of Labor Statistic criteria. The tables are set up with the industry number and name followed by the SIC definition.

Table Definitions.

SIC — The Standard Industrial Classification is a taxonomy developed by the federal government to define industries in accordance with the composition and structure of the economy.

BENCHMARK — The benchmark is the specific employment figure which existed for the industry at the reference point.

OCCUPATION — The occupations in the OES survey are broken down into seven categories: managerial/administrative, professional/technical, sales, clerical/administrative support, service, agricultural/related, and production/maintenance workers. Subtotals of each category are provided.

ESTIMATED EMPLOYMENT
The estimated employment is produced by the OES estimating system.

ANNUAL AVERAGE EMPLOYMENT
The annual average employment is produced by the ES-202 employment system.

RELATIVE ERROR
The relative error is a measure of precision and expresses the absolute sampling error of an estimate as a percentage of that estimate. From an accuracy standpoint, the higher the relative error the less accurate the estimate. If the relative errors exceeded fifty percent, the employment from these occupations were added to the appropriate residual category.

% TOTAL EMPLOYMENT
The percent of total employment reflects the rate of occurence of an occupation or category of occupations in an industry.

-- Indicates that the data for this item is either not available or not applicable.

TABLES 1 THRU 20

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

RAILROADS

SIC 40

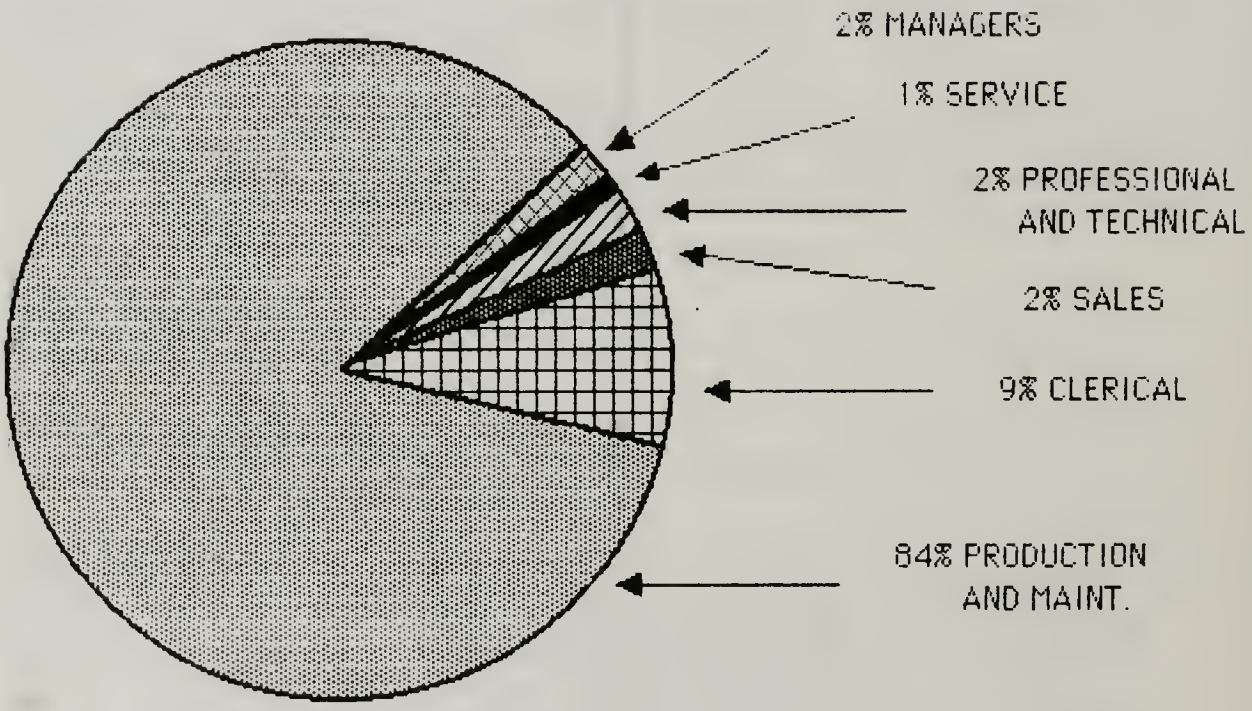


TABLE 1

INDUSTRY 40

RAILROADS

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS FURNISHING TRANSPORTATION BY LINE-HAUL RAILROAD, AS WELL AS REA EXPRESS, AND SWITCHING AND TERMINAL ESTABLISHMENTS. RAILROADS SERVING A SINGLE MUNICIPALITY, CONTIGUOUS MUNICIPALITIES, OR A MUNICIPALITY AND ITS SUBURBAN AREAS ARE CLASSIFIED IN MAJOR GROUP 41.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
COMMUN, TRANSP, AND UTILITY MGRS.	50	1.3	--
ALL OTHER MANAGERS AND ADMIN.	40	1.0	--
TOTAL MANAGERS AND ADMIN.	90	2.3	--
2. PROFESSIONAL AND TECHNICAL:			
ALL OTHER MGMT. SUPPORT WORKERS	40	1.0	--
CIVIL ENGINEERS, INCLUDING TRAFFIC	20	.6	--
ALL OTHER ENGINEERS	10	.2	--
ALL OTHER PROF,PARAPROF,TECHNICAL	10	.2	--
TOTAL PROFESSIONAL AND TECH.	80	2.0	--
3. SALES AND RELATED:			
ALL OTHER SALES AND RELATED WORKERS	80	2.0	--
TOTAL SALES AND RELATED	80	2.0	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	10	.3	--
ALL OTHER SECRETARIES	10	.5	--
STENOGRAPHERS	20	.2	--
GENERAL OFFICE CLERKS	210	5.3	--
ALL OTHER OFFICE MACHINE OPERATORS	10	.2	--
DISPATCHERS, EXCEPT POLICE, FIRE&AMBL	80	2.0	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	20	.5	--
TOTAL CLERICAL AND ADMIN. SUPPORT	360	9.0	--
5. SERVICE:			
RAILROAD & TRANSIT POLICE&SPECL AGENTS	10	.3	--
GUARDS AND WATCH GUARDS	10	.2	--
ALL OTHER FOOD SERVICE WORKERS	10	.3	--
ALL OTHER SERVICE WORKERS	10	.2	--
TOTAL SERVICE	40	1.0	--

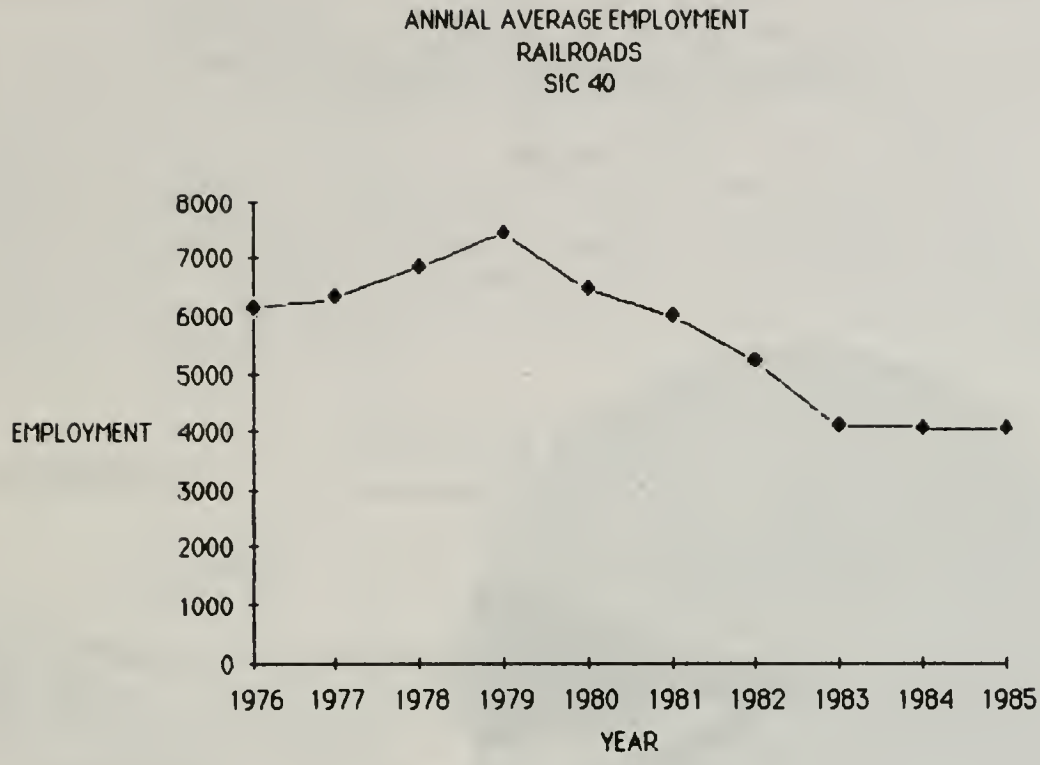
TABLE 1 (CONTINUED)

INDUSTRY 40

RAILROADS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	90	2.3	--
SUPERVR, CONSTRUCTION AND RELATED	150	3.7	--
SUPERVISORS, ALL OTHER	10	.3	--
TRANSPORTATION INSPECTORS	60	1.5	--
RAIL CAR REPAIRERS	30	.8	--
SIGNAL OR TRACK SWITCH MAINTAINERS	100	2.5	--
ELECTRICAL TRANSPOR EQUIP REPAIRERS	40	1.0	--
ALL OTHER MECHANICS AND INSTALLERS	10	.2	--
CARPENTERS	30	.7	--
ELECTRICIANS	130	3.3	--
RAIL-TRACK LAYING EQUIP OPERATORS	310	7.8	--
ALL OTHER CONSTRUCTION TRADES WORKER	130	3.2	--
MACHINISTS	280	7.0	--
SHEET METAL WORKERS	60	1.5	--
BOILERMAKERS	20	.5	--
ALL OTHER MACHINE OPERATORS&TENDERS	180	4.5	--
RAILROAD CONDUCTORS & YARDMASTERS	300	7.5	--
LOCOMOTIVE ENGINEERS	250	6.2	--
RAIL YARD ENGINEERS AND RELATED	30	.7	--
LOCOMOTIVE FIRERS	80	2.0	--
RAILROAD BRAKE, SIGNAL & SWITCH OPER	650	16.3	--
ALL OTHER RAIL VEHICLE OPERATORS	30	.7	--
ALL OTHER TRANSPORTATION RELATED WRK	100	2.5	--
HOIST AND WINCH OPERATORS	60	1.5	--
INDUSTRIAL TRUCK & TRACTOR OPERATORS	60	1.5	--
ALL OTHER HELPERS,LABORERS,HAND WORK	160	4.0	--
TOTAL PROD, CONST, MAINT & HANDL	3,350	83.7	--
	---	---	
GRAND TOTAL OF INDUSTRY 40	4,000	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	6134
1977	6301
1978	6842
1979	7452
1980	6473
1981	5992
1982	5207
1983	4085
1984	4055
1985	4035

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

LOCAL AND SUBURBAN TRANSIT & INTERURBAN
HIGHWAY PASSENGER TRANSPORTATION

SIC 41

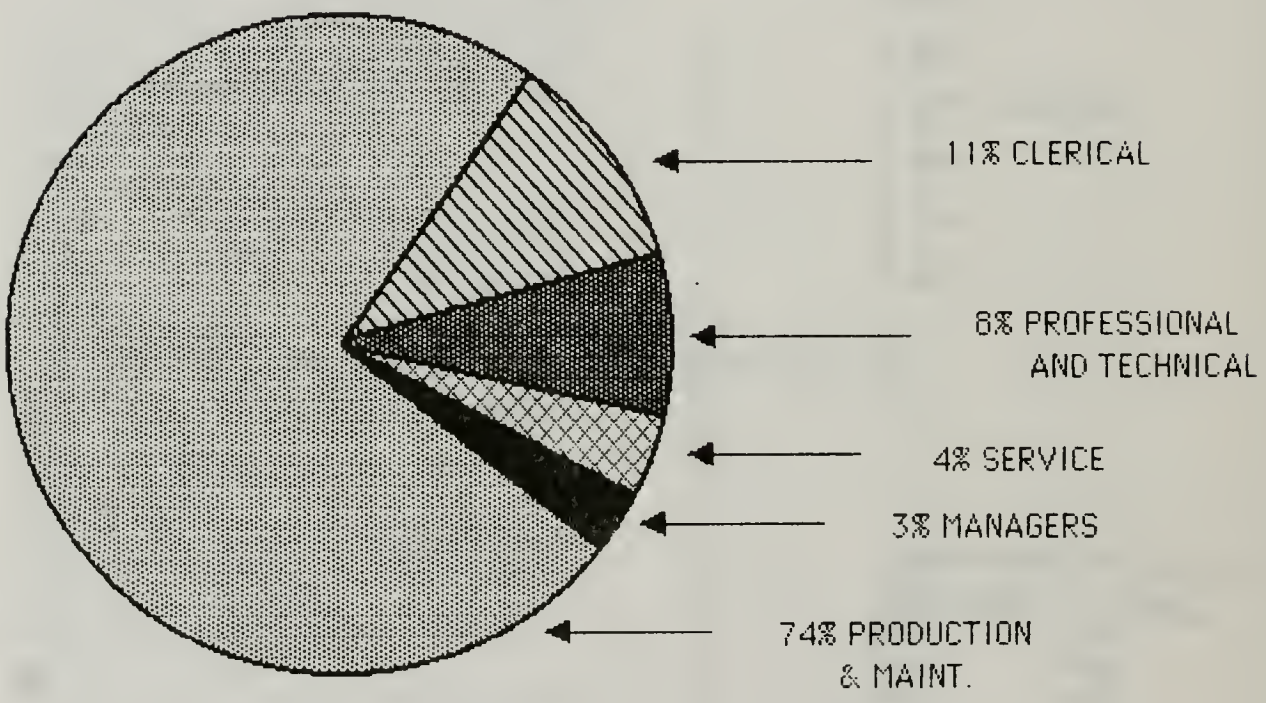


TABLE 2

INDUSTRY 41

LOCAL AND SUBURBAN TRANSIT & INTERURBAN HIGHWAY PASSENGER TRANSPORTATION

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS PRIMARILY ENGAGED IN FURNISHING LOCAL AND SUBURBAN PASSENGER TRANSPORTATION, SUCH AS THOSE PROVIDING PASSENGER TRANSPORTATION WITHIN A SINGLE MUNICIPALITY, CONTIGUOUS MUNICIPALITIES, OR A MUNICIPALITY AND ITS SUBURBAN AREAS BY BUS, RAIL, OR SUBWAY, EITHER SEPARATELY OR IN COMBINATION, AND ESTABLISHMENTS ENGAGED IN FURNISHING TRANSPORTATION TO LOCAL SCENIC FEATURES. ALSO INCLUDED ARE ESTABLISHMENTS PRIMARILY ENGAGED IN FURNISHING HIGHWAY PASSENGER SERVICE TRANSPORTATION AND ESTABLISHMENTS FURNISHING HIGHWAY PASSENGER TERMINAL OR MAINTENANCE FACILITIES. INTERCITY BUS LINES ARE INCLUDED IN THIS MAJOR GROUP.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
COMMUN, TRANSP, AND UTILITY MGRS.	20	1.7	6
ALL OTHER MANAGERS AND ADMIN.	10	.8	--
TOTAL MANAGERS AND ADMIN.	30	2.5	--
2. PROFESSIONAL AND TECHNICAL:			
EMERGENCY MEDICAL TECHNICIANS	100	8.3	11
TOTAL PROFESSIONAL AND TECH.	100	8.3	--
3. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SECRETARIES	20	1.6	14
BOOKKEEPING AND ACCOUNTING CLERKS	20	1.7	11
GENERAL OFFICE CLERKS	20	1.6	18
DISPATCHERS, EXCEPT POLICE, FIRE&AMBL	30	2.5	10
ALL OTHER CLERICAL & ADMIN SUPPORT	40	3.3	--
TOTAL CLERICAL AND ADMIN. SUPPORT	130	10.7	--

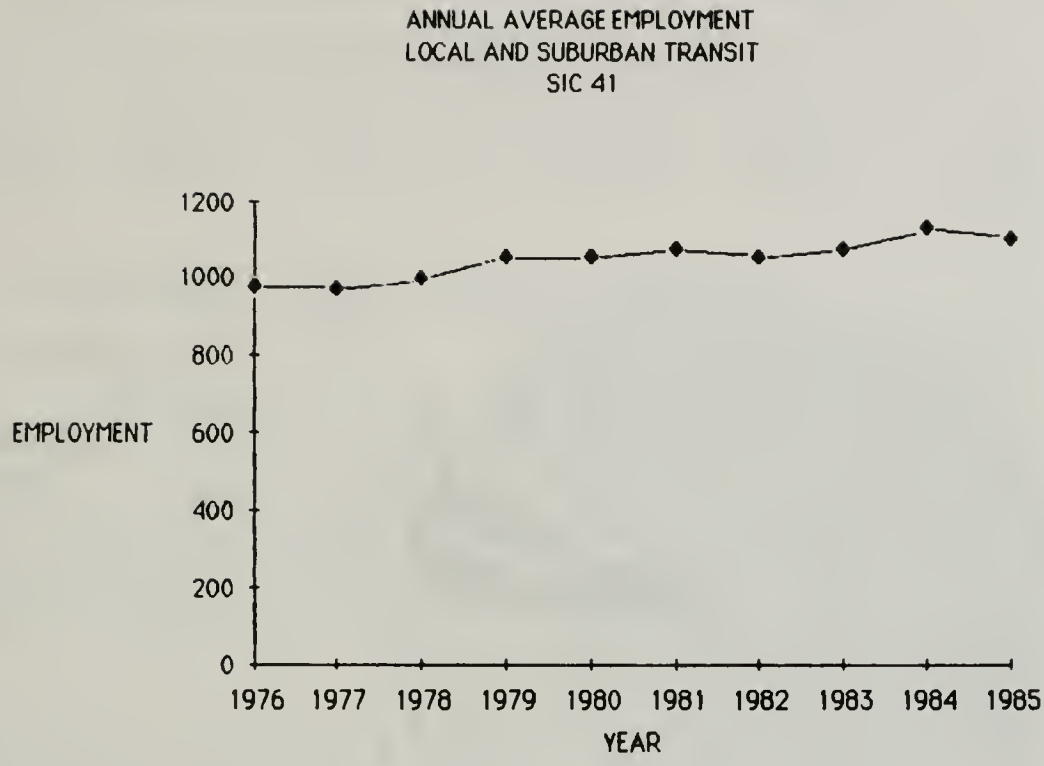
TABLE 2 (CONTINUED)

INDUSTRY 41

LOCAL AND SUBURBAN TRANSIT & INTERURBAN HIGHWAY PASSENGER TRANSPORTATION

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. SERVICE:			
AMBULANCE DRIVERS AND ATTENDANTS	30	2.5	29
ALL OTHER SERVICE WORKERS	20	1.6	--
TOTAL SERVICE	50	4.1	--
5. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVISORS, ALL OTHER	10	.8	--
BUS,TRUCK & DIESEL ENGINE MECHANICS	50	4.1	8
ALL OTHER MECHANICS AND INSTALLERS	10	.8	--
BUS DRIVERS	150	12.5	10
SCHOOL BUS DRIVERS	580	48.0	2
TAXI AND CHAUFFEUR DRIVERS	90	7.4	5
ALL OTHER HELPERS,LABORERS,HAND WORK	10	.8	--
TOTAL PROD, CONST, MAINT & HANDL	900	74.4	--
GRAND TOTAL OF INDUSTRY 41	1,210	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	974
1977	972
1978	997
1979	1053
1980	1052
1981	1073
1982	1055
1983	1076
1984	1128
1985	1104

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING

SIC 42

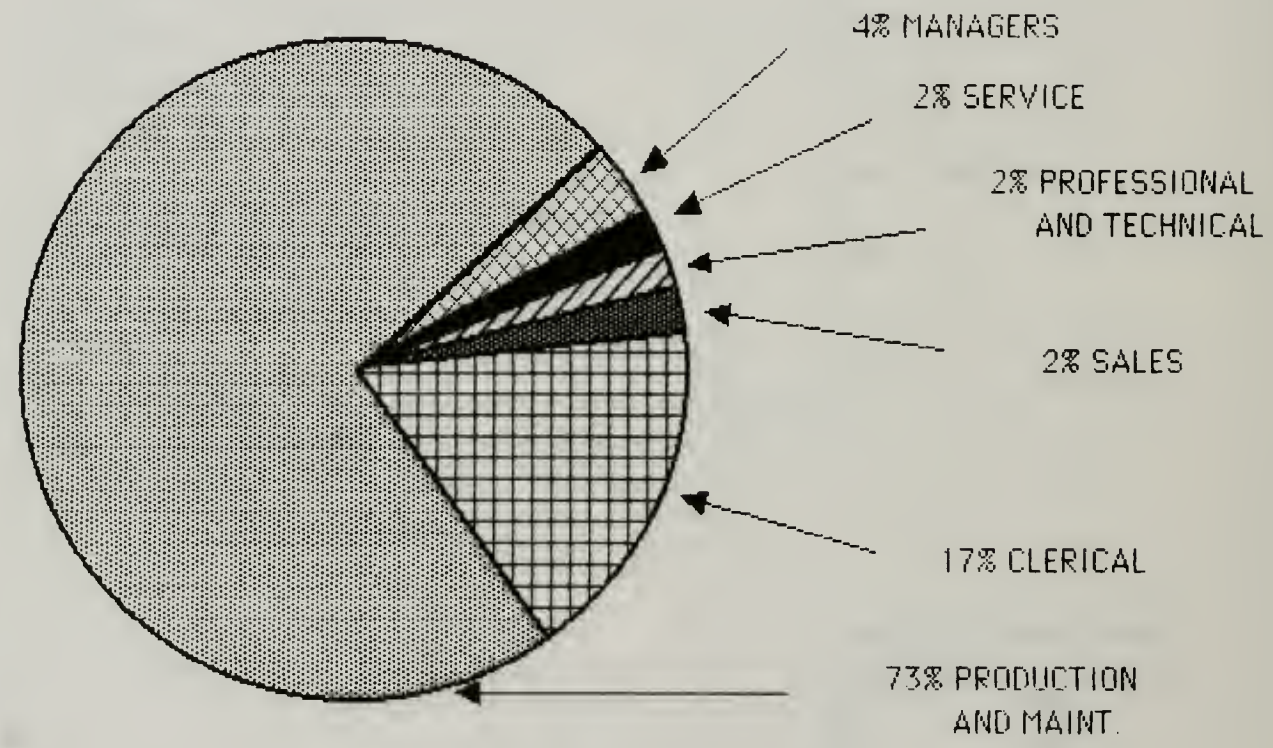


TABLE 3

INDUSTRY 42

MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS FURNISHING LOCAL OR LONG-DISTANCE TRUCKING, OR TRANSFER SERVICES, OR THOSE ENGAGED IN THE STORAGE OF FARM PRODUCTS, FURNITURE AND OTHER HOUSEHOLD GOODS, OR COMMERCIAL GOODS OF ANY NATURE. THE OPERATION OF TERMINAL FACILITIES FOR HANDLING FREIGHT, WITH OR WITHOUT MAINTENANCE FACILITIES, IS ALSO INCLUDED.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
COMMUN, TRANSP, AND UTILITY MGRS.	170	3.1	13
GENERAL MANAGERS AND TOP EXEC.	20	.4	11
ALL OTHER MANAGERS AND ADMIN.	40	.7	--
TOTAL MANAGERS AND ADMIN.	230	4.2	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	40	.7	16
ALL OTHER MGMT. SUPPORT WORKERS	20	.4	--
ALL OTHER PROF,PARAPROF,TECHNICAL	20	.4	--
TOTAL PROFESSIONAL AND TECH.	80	1.5	--
3. SALES AND RELATED:			
SALES AGENTS, BUSINESS SERVICES	70	1.2	13
ALL OTHER SALES AND RELATED WORKERS	20	.4	--
TOTAL SALES AND RELATED	90	1.6	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	20	.4	22
SECRETARIES	110	2.0	13
BOOKKEEPING AND ACCOUNTING CLERKS	140	2.5	15
BILLING, COST AND RATE CLERKS	80	1.5	15
GENERAL OFFICE CLERKS	170	3.1	11
BILLING, POST., AND CALC. MACH. OPERS	50	.9	22
ALL OTHER OFFICE MACHINE OPERATORS	10	.2	--
DISPATCHERS, EXCEPT POLICE, FIRE&AMBL	170	3.1	10
STOCK CLERKS, STOCKROOM & WAREHOUSE	20	.4	42
TRAFFIC, SHIPPING & RECEIVING CLERKS	90	1.6	27
ALL OTHER CLERICAL & ADMIN SUPPORT	90	1.6	--
TOTAL CLERICAL AND ADMIN. SUPPORT	950	17.3	--

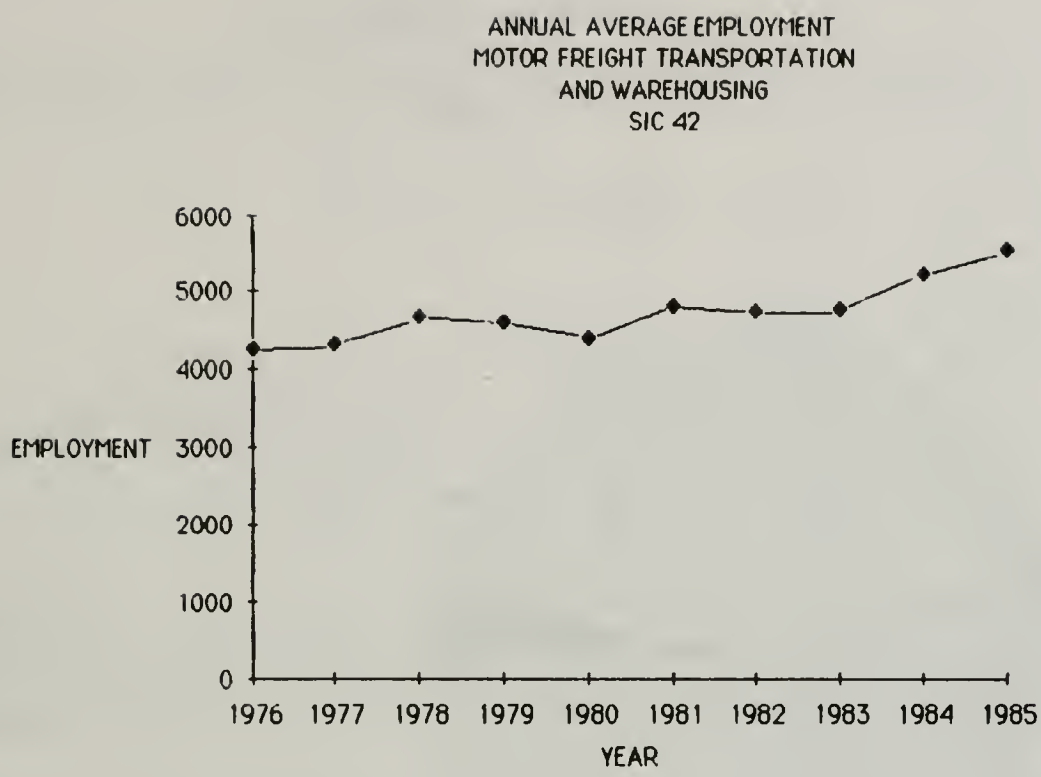
TABLE 3 (CONTINUED)

INDUSTRY 42

MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
ALL OTHER PROTECTIVE SERVICE WORKERS	10	.2	--
CLEANING & BUILDING SERVICE WORKERS	80	1.4	34
ALL OTHER SERVICE WORKERS	20	.4	--
TOTAL SERVICE	110	2.0	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, TRANSPORTATION & RELATED	110	2.0	15
SUPERVR, HELPERS,LABORERS & MOVERS	90	1.6	11
ALL OTHER INSPECTORS,TESTERS&RELATED	10	.2	--
MAINTENANCE REPAIRERS, GEN. UTILITY	80	1.5	43
AUTOMOTIVE MECHANICS	40	.7	15
BUS,TRUCK & DIESEL ENGINE MECHANICS	230	4.2	9
ALL OTHER MECHANICS AND INSTALLERS	10	.2	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	2,640	48.0	3
LIGHT TRUCK DRIVERS, INCL DELIVERY	520	9.4	9
INDUSTRIAL TRUCK & TRACTOR OPERATORS	40	.7	29
ALL OTHER MATERIAL MOVING EQUIP OPER	10	.2	--
ALL OTHER HELPERS,LABORERS,HAND WORK	260	4.7	--
TOTAL PROD, CONST, MAINT & HANDL	4,040	73.4	--
GRAND TOTAL OF INDUSTRY 42	5,500	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	4262
1977	4318
1978	4657
1979	4585
1980	4404
1981	4822
1982	4750
1983	4762
1984	5232
1985	5540

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

TRANSPORTATION BY AIR

SIC 45

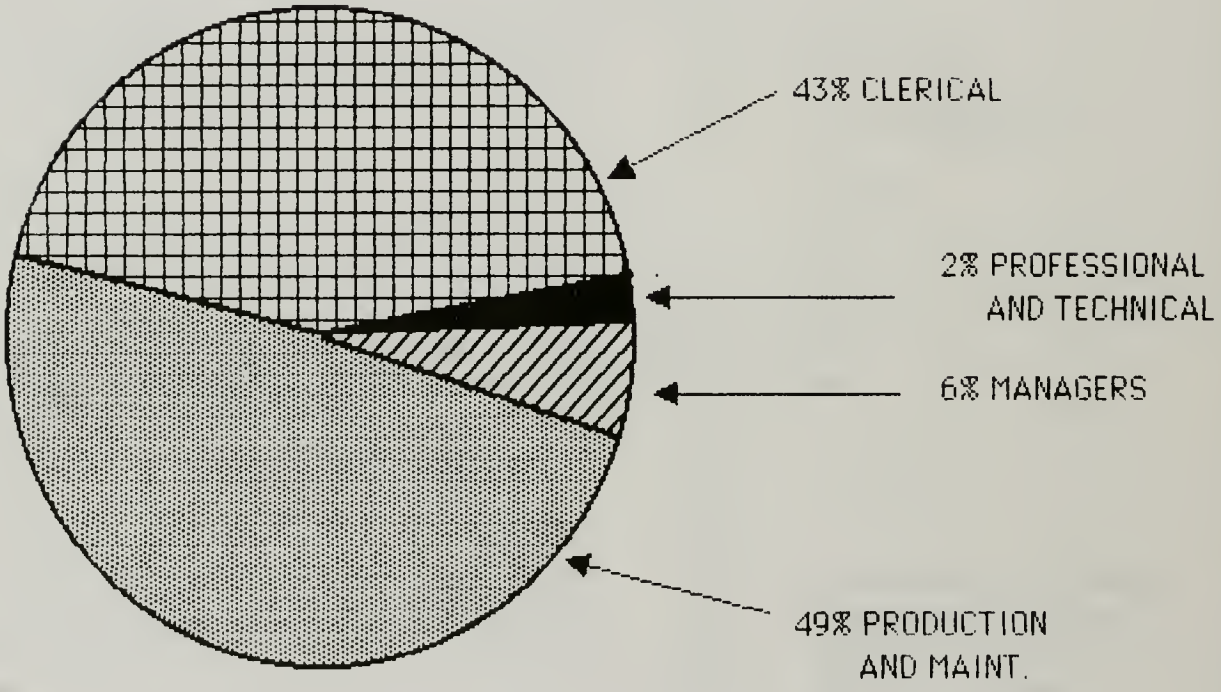


TABLE 4

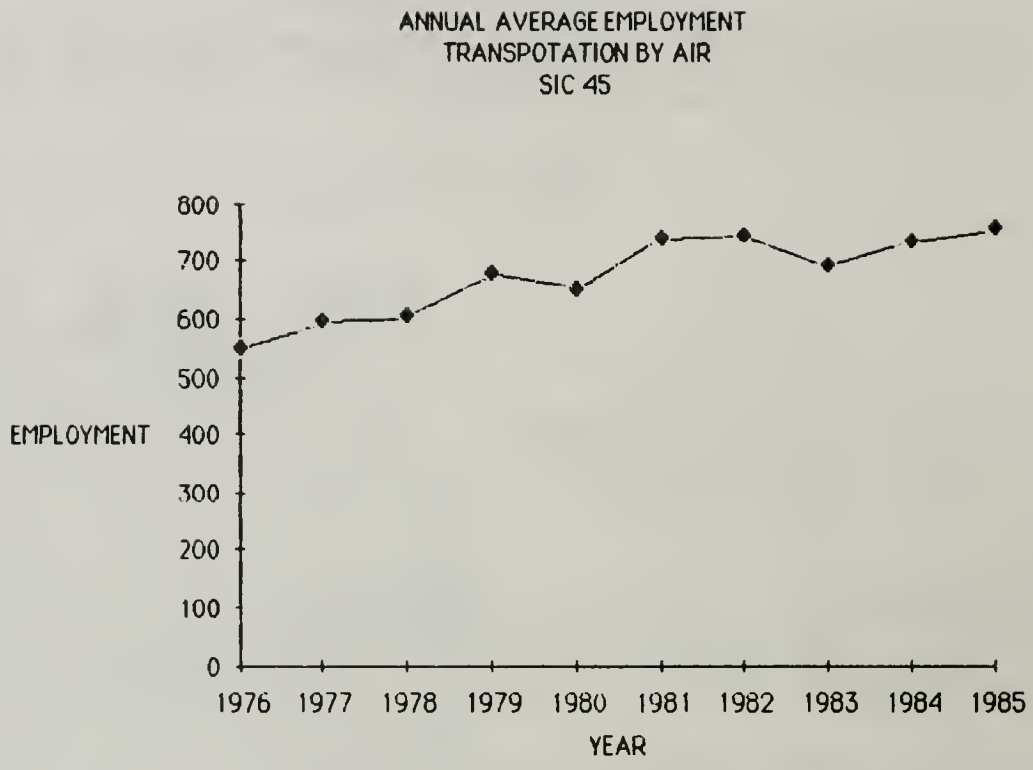
INDUSTRY 45

TRANSPORTATION BY AIR

ESTABLISHMENTS PRIMARILY ENGAGED IN FURNISHING DOMESTIC AND FOREIGN TRANSPORTATION BY AIR AND ALSO THOSE OPERATING AIRPORTS AND FLYING FIELDS AND FURNISHING TERMINAL SERVICE.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
COMMUN, TRANSP, AND UTILITY MGRS.	40	4.9	10
ALL OTHER MANAGERS AND ADMIN.	10	1.2	--
TOTAL MANAGERS AND ADMIN.	50	6.1	--
2. PROFESSIONAL AND TECHNICAL:			
TEACHER, VOCATIONAL EDUCATN & TRAING	20	2.4	46
TOTAL PROFESSIONAL AND TECH.	20	2.4	--
3. CLERICAL AND ADMINISTRATIVE SUPPORT:			
RESERVATION & TRANSP. TICKET AGENTS	280	34.3	6
SECRETARIES	20	2.4	19
BOOKKEEPING AND ACCOUNTING CLERKS	20	2.4	22
ALL OTHER MATERIAL SCHED & DISTRIBUT.	10	1.2	--
ALL OTHER CLERICAL & ADMIN SUPPORT	20	2.4	--
TOTAL CLERICAL AND ADMIN. SUPPORT	350	42.7	--
4. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	10	1.2	17
SUPERVISORS, ALL OTHER	10	1.2	--
MAINTENANCE REPAIRERS, GEN. UTILITY	20	2.4	35
AIRCRAFT MECHANICS	90	11.0	13
ALL OTHER MECHANICS AND INSTALLERS	10	1.2	--
ALL OTHER MOTOR VEHICLE OPERATORS	20	2.4	--
AIRCRAFT PILOTS & FLIGHT ENGINEERS	150	18.4	8
ALL OTHER TRANSPORTATION RELATED WRK	60	7.3	34
ALL OTHER HELPERS,LABORERS,HAND WORK	30	3.7	--
TOTAL PROD, CONST, MAINT & HANDL	400	48.8	--
GRAND TOTAL OF INDUSTRY 45	820	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	551
1977	597
1978	604
1979	677
1980	651
1981	740
1982	745
1983	692
1984	735
1985	757

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

TRANSPORTATION SERVICES

SIC 47

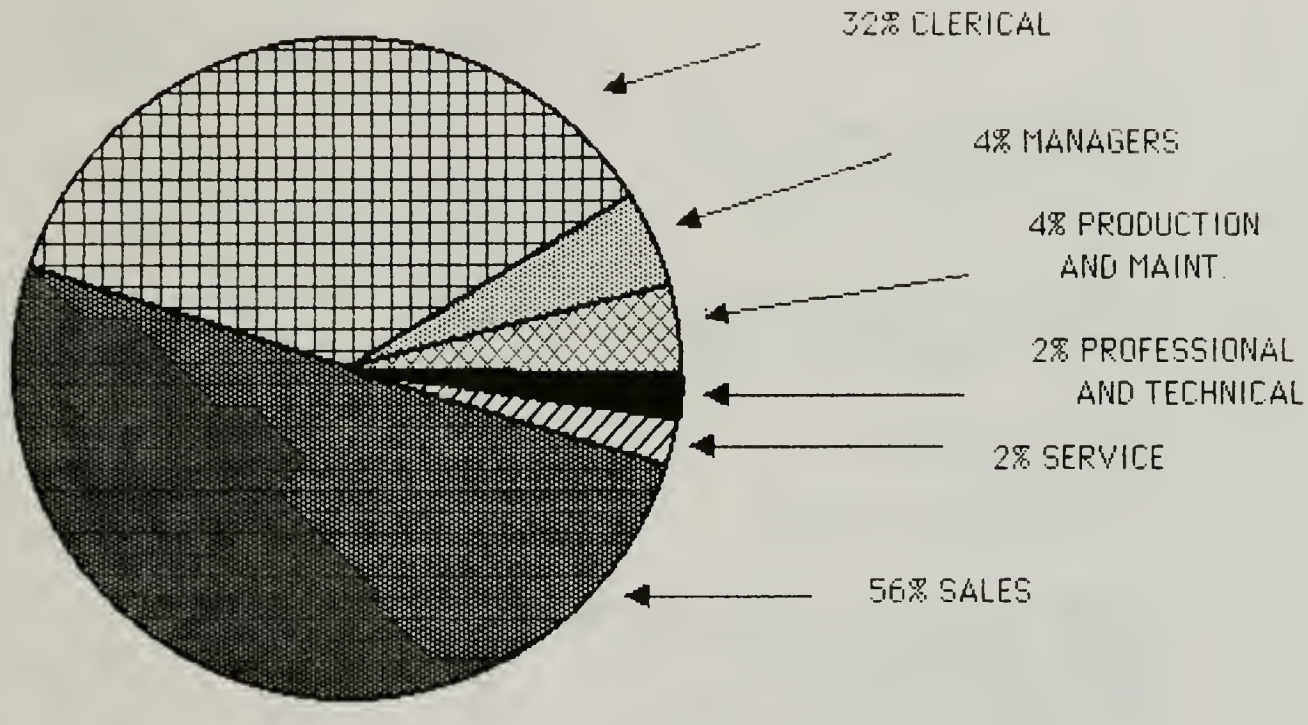


TABLE 5

INDUSTRY 47

TRANSPORTATION SERVICES

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS FURNISHING SERVICES INCIDENTAL TO TRANSPORTATION, SUCH AS FORWARDING AND PACKING SERVICES, AND THE ARRANGEMENT OF PASSENGER AND FREIGHT TRANSPORTATION.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
COMMUN, TRANSP, AND UTILITY MGRS.	20	4.0	46
TOTAL MANAGERS AND ADMIN.	20	4.0	--
2. PROFESSIONAL AND TECHNICAL:			
ALL OTHER PROF,PARAPROF,TECHNICAL	10	2.0	--
TOTAL PROFESSIONAL AND TECH.	10	2.0	--
3. SALES AND RELATED:			
TRAVEL AGENTS	280	56.0	9
TOTAL SALES AND RELATED	280	56.0	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	40	8.0	16
ALL OTHER SECRETARIES	10	2.0	--
BOOKKEEPING AND ACCOUNTING CLERKS	40	8.0	13
ALL OTHER CLERICAL & ADMIN SUPPORT	70	14.0	--
TOTAL CLERICAL AND ADMIN. SUPPORT	160	32.0	--

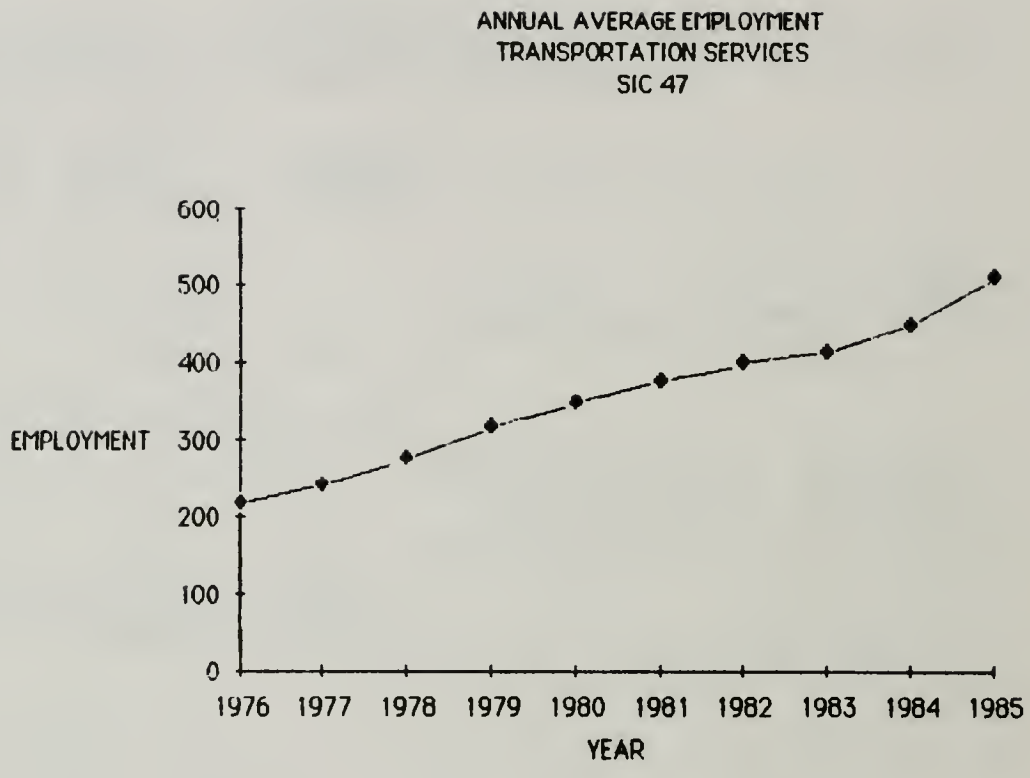
TABLE 5 (CONTINUED)

INDUSTRY 47

TRANSPORTATION SERVICES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
ALL OTHER CLEANING & BUILDING SERVICE	10	2.0	--
TOTAL SERVICE	10	2.0	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
ALL OTHER MOTOR VEHICLE OPERATORS	10	2.0	--
ALL OTHER HELPERS,LABORERS,HAND WORK	10	2.0	--
TOTAL PROD, CONST, MAINT & HANDL	20	4.0	--
GRAND TOTAL OF INDUSTRY 47	500	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	216
1977	243
1978	276
1979	317
1980	348
1981	377
1982	400
1983	414
1984	451
1985	512

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

COMMUNICATION

SIC 48

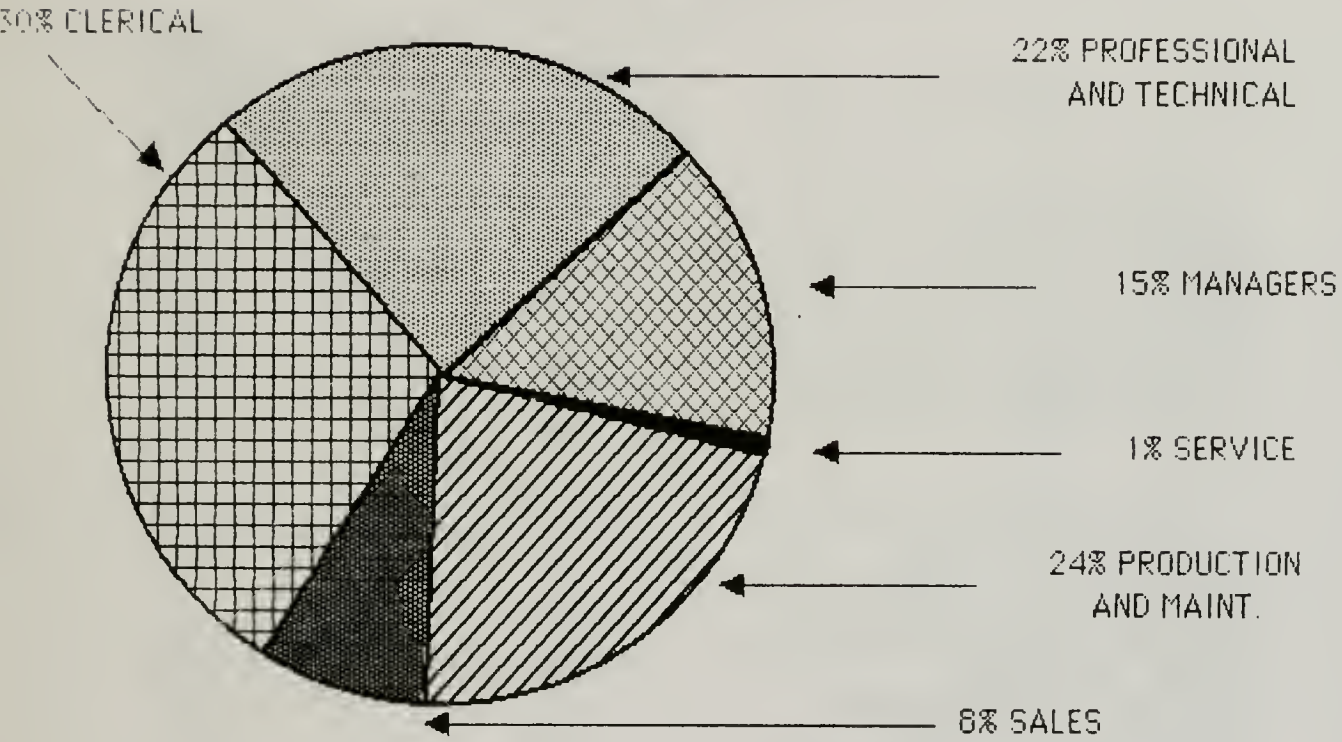


TABLE 6

INDUSTRY 48

COMMUNICATION

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS FURNISHING POINT-TO-POINT COMMUNICATION SERVICES, WHETHER BY WIRE OR RADIO, AND WHETHER INTENDED TO BE RECEIVED ORALLY OR VISUALLY, AND RADIO AND TELEVISION BROADCASTING. SERVICES FOR THE EXCHANGE OR RECORDING OF MESSAGES ARE ALSO INCLUDED.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FINANCIAL MANAGERS	40	1.0	9
PERSONNEL AND RELATED MANAGERS	10	.2	--
MRKTG, ADVERTISING, AND P/R MGRS.	90	2.3	8
ENGINEERING, MATH & SCIENCE MGRS.	20	.5	46
COMMUN, TRANSP, AND UTILITY MGRS.	80	2.0	9
ALL OTHER MANAGERS AND ADMIN.	370	9.3	--
TOTAL MANAGERS AND ADMIN.	610	15.3	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	20	.5	13
ELECTRICAL AND ELECTRONIC ENGINEERS	50	1.2	5
ELEC/ELECTRONIC ENGINEERING TECH.	40	1.0	9
ALL OTHER ENGINEERING TECHNICIANS	10	.2	--
WRITERS AND EDITORS	50	1.2	10
REPORTERS & CORRESPONDENTS	30	.8	20
BROADCAST NEWS ANALYSTS	60	1.5	13
ANNOUNCERS, RADIO & TELEVISION	440	11.0	6
CAMERA OPERATORS, TV & MOTION PIC	30	.8	22
BROADCAST TECHNICIANS	70	1.7	13
ALL OTHER PROF,PARAPROF,TECHNICAL	80	2.0	--
TOTAL PROFESSIONAL AND TECH.	880	21.9	--
3. SALES AND RELATED:			
SALES AGENTS, BUSINESS SERVICES	50	1.2	24
SALES AGENTS, ADVERTISING	250	6.3	5
CASHIERS	20	.5	26
TOTAL SALES AND RELATED	320	8.0	--

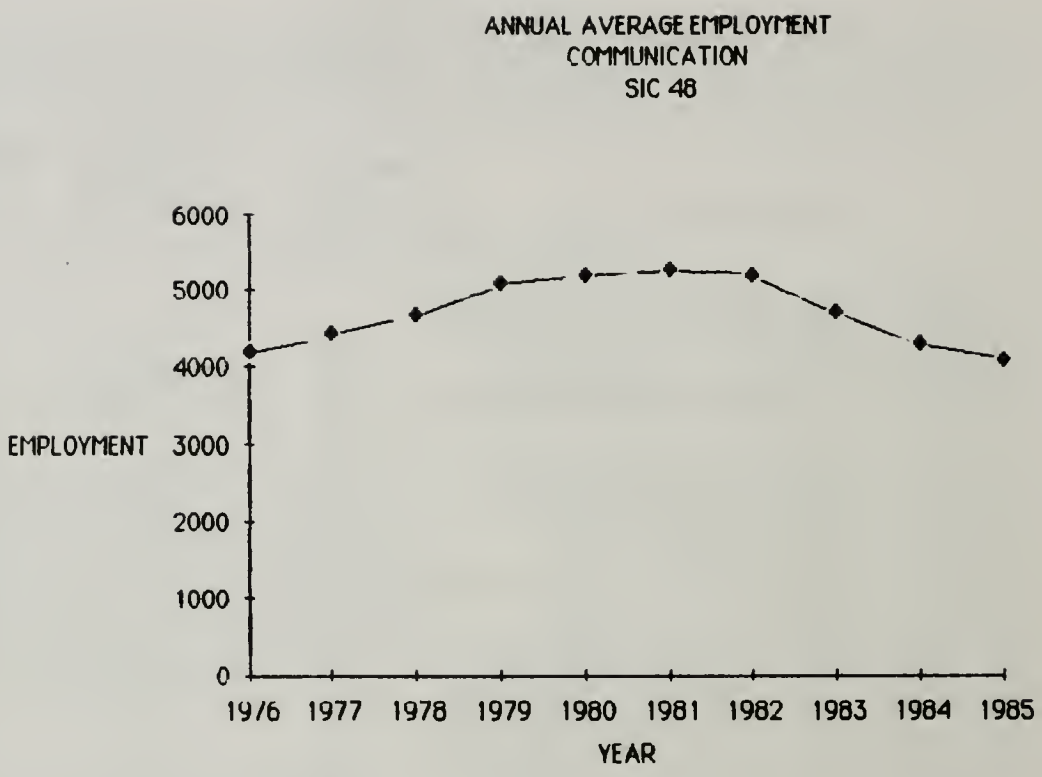
TABLE 6 (CONTINUED)

INDUSTRY 48

COMMUNICATION

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	100	2.5	2
SECRETARIES	80	2.0	8
RECEPTIONISTS AND INFORMATION CLERKS	40	1.0	11
TYPISTS	10	.2	20
CUSTOMER SERVICE REPS, UTILITIES	100	2.5	20
BOOKKEEPING AND ACCOUNTING CLERKS	80	2.0	11
BILLING, COST AND RATE CLERKS	30	.7	19
GENERAL OFFICE CLERKS	50	1.3	11
BILLING, POST., AND CALC. MACH. OPERS	20	.5	15
COMPUTER OPERATORS	30	.7	12
ALL OTHER OFFICE MACHINE OPERATORS	10	.2	--
ALL OTHER COMMUNICATIONS EQUIP OPERS.	250	6.3	--
DISPATCHERS, EXCEPT POLICE, FIRE&AMBL	10	.2	26
ALL OTHER MATERIAL SCHED & DISTRIBUT.	150	3.8	--
ALL OTHER CLERICAL & ADMIN SUPPORT	250	6.3	--
TOTAL CLERICAL AND ADMIN. SUPPORT	1,210	30.2	--
5. SERVICE:			
CLEANING & BUILDING SERVICE WORKERS	30	.7	11
TOTAL SERVICE	30	.7	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	100	2.5	7
ALL OTHER INSPECTORS,TESTERS&RELATED	20	.5	--
MAINTENANCE REPAIRERS, GEN. UTILITY	20	.5	25
PBX INSTALLERS AND REPAIRERS	240	6.0	1
ALL OTHER COMMUNICATIONS MECHANICS	70	1.7	--
TELEPHONE & CABLE INSTALLERS&REPAIR	260	6.5	7
TELEPHONE STATION INSTALLERS&REPAIR	210	5.3	1
ALL OTHER ELEC EQUIPMENT REPAIRERS	30	.7	--
ALL OTHER CONSTRUCTION TRADES WORKER	10	.2	--
TOTAL PROD, CONST, MAINT & HANDL	960	23.9	--
GRAND TOTAL OF INDUSTRY 48	4,010	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	4178
1977	4412
1978	4660
1979	5072
1980	5180
1981	5253
1982	5204
1983	4695
1984	4272
1985	4083

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

WHOLESALE TRADE - DURABLE GOODS

SIC 50

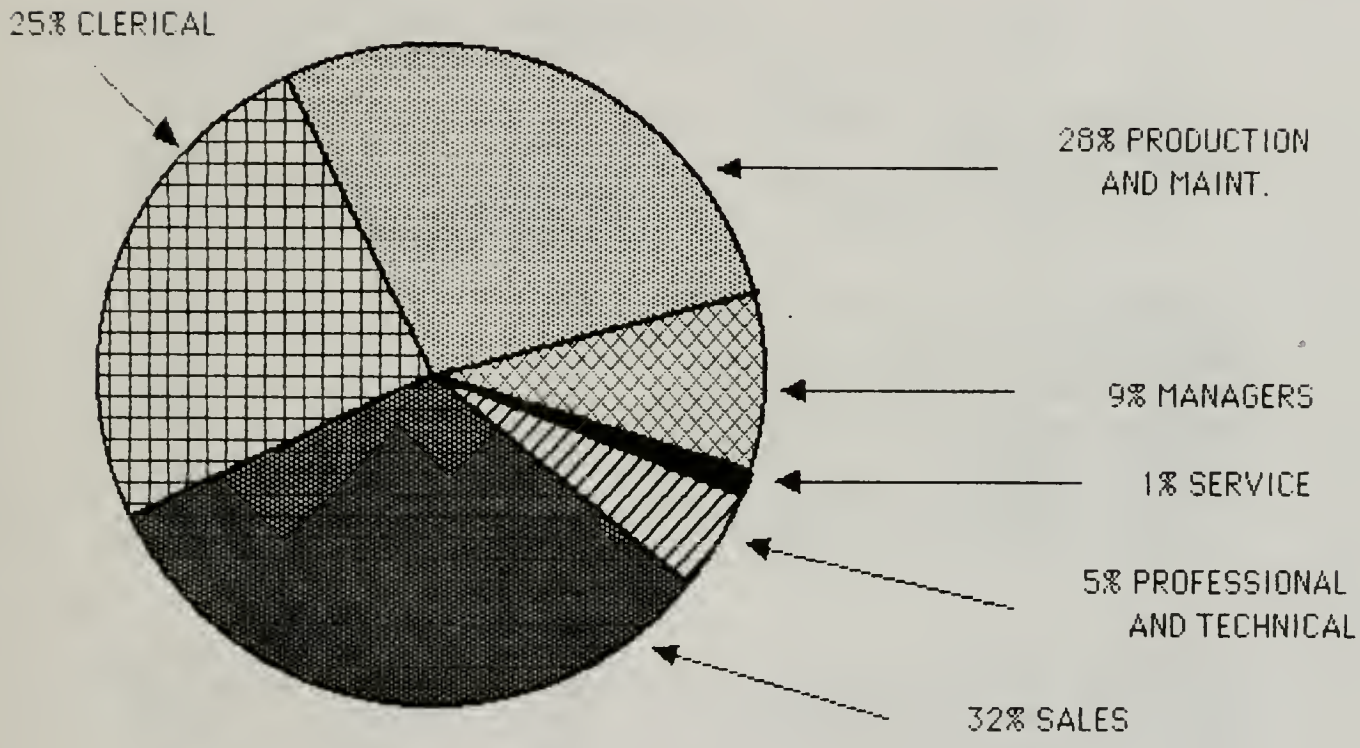


TABLE 7

INDUSTRY 50

WHOLESALE TRADE - DURABLE GOODS

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS PRIMARILY ENGAGED IN THE WHOLESALE DISTRIBUTION OF DURABLE GOODS.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	120	1.3	10
GENERAL MANAGERS AND TOP EXEC.	730	7.9	4
TOTAL MANAGERS AND ADMIN.	850	9.2	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	80	.9	12
WHOLESALE/RETAIL BUYERS EXCEPT FARM	200	2.2	12
PURCHASING AGENTS/BUYERS FARM PRODS	10	.1	32
ELEC/ELECTRONIC ENGINEERING TECH.	130	1.4	34
COMPUTER PROGRAMMERS	40	.4	24
ALL OTHER HEALTH PROF & TECH.	20	.2	--
ALL OTHER PROF,PARAPROF,TECHNICAL	10	.1	--
TOTAL PROFESSIONAL AND TECH.	490	5.3	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	340	3.7	13
SALES REPS, SCIENTIFIC & RELATED	220	2.4	15
SALES REPS, EXCEPT SCIENTIFIC	940	10.1	8
RETAIL SALESPERSONS	460	5.0	9
PARTS SALESPERSONS	720	7.7	4
STOCK CLERKS, SALES FLOOR	200	2.2	11
ALL OTHER SALES AND RELATED WORKERS	40	.4	--
TOTAL SALES AND RELATED	2,920	31.5	--

TABLE 7 (CONTINUED)

INDUSTRY 50

WHOLESALE TRADE - DURABLE GOODS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	170	1.8	9
SECRETARIES	310	3.4	13
RECEPTIONISTS AND INFORMATION CLERKS	50	.5	15
TYPISTS	10	.1	29
ORDER CLERKS, MERCHANDISE AND SERVICE	150	1.7	30
BOOKKEEPING AND ACCOUNTING CLERKS	460	5.0	9
BILLING, COST AND RATE CLERKS	50	.5	17
GENERAL OFFICE CLERKS	290	3.2	9
BILLING, POST., AND CALC. MACH. OPERS	40	.4	18
COMPUTER OPERATORS	50	.5	16
DATA ENTRY KEYERS	50	.5	17
SWITCHBOARD OPERATORS	10	.1	26
STOCK CLERKS, STOCKROOM & WAREHOUSE	220	2.4	14
ORDER FILLERS, WHOLESALE & RETAIL	210	2.3	23
TRAFFIC, SHIPPING & RECEIVING CLERKS	260	2.8	19
ALL OTHER CLERICAL & ADMIN SUPPORT	10	.1	--
TOTAL CLERICAL AND ADMIN. SUPPORT	2,340	25.3	--
5. SERVICE:			
ALL OTHER PROTECTIVE SERVICE WORKERS	10	.1	--
JANITORS AND CLEANERS	60	.6	14
TOTAL SERVICE	70	.7	--

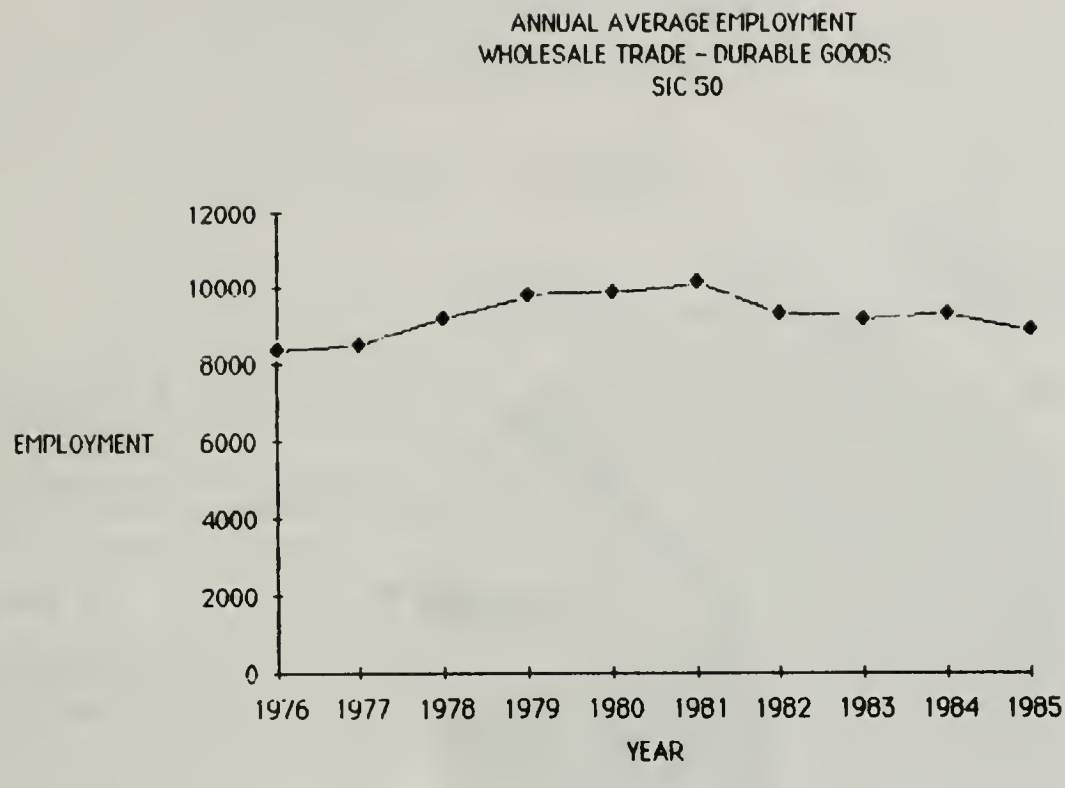
TABLE 7 (CONTINUED)

INDUSTRY 50

WHOLESALE TRADE - DURABLE GOODS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	180	2.0	9
SUPERVISORS, ALL OTHER	10	.1	--
MAINTENANCE REPAIRERS, GEN. UTILITY	110	1.2	26
AUTOMOTIVE MECHANICS	70	.8	19
BUS,TRUCK & DIESEL ENGINE MECHANICS	290	3.1	18
MOBILE HEAVY EQUIPMENT MECHANICS	160	1.7	15
FARM EQUIPMENT MECHANICS	300	3.3	10
ALL OTHER ELEC EQUIPMENT REPAIRERS	20	.2	--
HEATING, A.C., AND REFRIG MECHANICS	60	.6	39
OFFICE MACHINE & CASH REGISTER RPR.	190	2.1	21
TIRE REPAIRERS AND CHANGERS	70	.8	18
ALL OTHER MECHANICS AND INSTALLERS	140	1.5	--
ALL OTHER CONSTRUCTION TRADES WORKER	70	.8	--
MACHINISTS	100	1.1	18
ALL OTHER PRECISION WORKERS	60	.6	39
ALL OTHER MACHINE OPERATORS&TENDERS	60	.6	--
ASSEMBLERS AND FABRICATORS, OTHER	30	.3	49
ALL OTHER HAND WORKERS	140	1.5	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	140	1.5	19
LIGHT TRUCK DRIVERS, INCL DELIVERY	150	1.6	13
ALL OTHER TRANSPORTATION RELATED WRK	10	.1	--
ALL OTHER MATERIAL MOVING EQUIP OPER	40	.4	--
ALL OTHER FREIGHT & MATERIAL MOVERS	100	1.1	--
ALL OTHER HELPERS,LABORERS,HAND WORK	90	1.0	--
TOTAL PROD, CONST, MAINT & HANDL	2,590	28.0	--
GRAND TOTAL OF INDUSTRY 50	9,260	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	8368
1977	8532
1978	9235
1979	9812
1980	9923
1981	10152
1982	9318
1983	9223
1984	9363
1985	8910

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

WHOLESALE TRADE - NONDURABLE GOODS

SIC 51

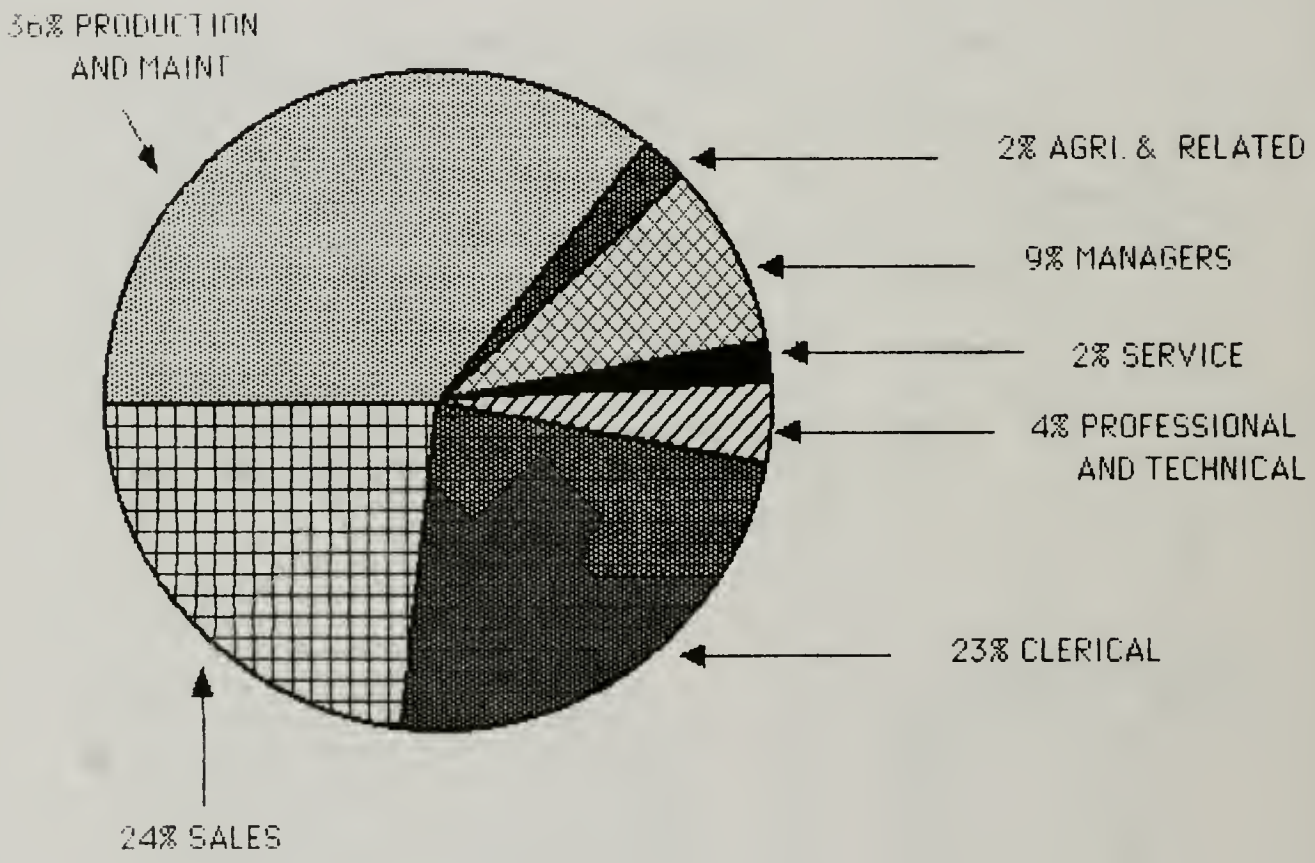


TABLE 8

INDUSTRY 51

WHOLESALE TRADE - NONDURABLE GOODS

THIS MAJOR GROUP INCLUDES ESTABLISHMENTS PRIMARILY ENGAGED IN THE WHOLESALE DISTRIBUTION OF NONDURABLE GOODS.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	120	1.5	23
GENERAL MANAGERS AND TOP EXEC.	510	6.6	8
ALL OTHER MANAGERS AND ADMIN.	40	.5	--
TOTAL MANAGERS AND ADMIN.	670	8.6	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	70	.9	12
WHOLESALE/RETAIL BUYERS EXCEPT FARM	110	1.4	38
PURCHASING AGENTS/BUYERS FARM PRODS	110	1.4	14
ALL OTHER MGMT. SUPPORT WORKERS	20	.3	--
COMPUTER PROGRAMMERS	10	.1	20
ALL OTHER PROF,PARAPROF,TECHNICAL	20	.3	--
TOTAL PROFESSIONAL AND TECH.	340	4.4	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	230	3.0	13
SALES REPS, EXCEPT SCIENTIFIC	650	8.4	14
RETAIL SALESPERSONS	220	2.8	13
PARTS SALESPERSONS	40	.5	48
STOCK CLERKS, SALES FLOOR	280	3.6	23
CASHIERS	230	3.0	16
ALL OTHER SALES AND RELATED WORKERS	200	2.6	--
TOTAL SALES AND RELATED	1,850	23.9	--

TABLE 8 (CONTINUED)

INDUSTRY 51

WHOLESALE TRADE - NONDURABLE GOODS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SECRETARIES	220	2.8	11
TYPISTS	10	.1	44
BOOKKEEPING AND ACCOUNTING CLERKS	410	5.3	16
BILLING, COST AND RATE CLERKS	40	.5	46
GENERAL OFFICE CLERKS	230	3.0	11
BILLING, POST., AND CALC. MACH. OPERS	70	.9	19
COMPUTER OPERATORS	50	.6	46
ALL OTHER OFFICE MACHINE OPERATORS	40	.5	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	80	1.0	18
ALL OTHER MATERIAL SCHED & DISTRIBUT.	400	5.2	--
ALL OTHER CLERICAL & ADMIN SUPPORT	260	3.2	--
TOTAL CLERICAL AND ADMIN. SUPPORT	1,810	23.1	--
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	20	.3	--
BUTCHERS AND MEAT CUTTERS	60	.8	43
ALL OTHER FOOD SERVICE WORKERS	20	.3	--
JANITORS AND CLEANERS	60	.7	12
ALL OTHER SERVICE WORKERS	10	.1	--
TOTAL SERVICE	170	2.2	--
6. AGRICULTURAL AND RELATED:			
ALL OTHER AGRICULTURAL AND REL WORKERS	120	1.5	--
TOTAL AGRICULTURAL AND RELATED	120	1.5	--

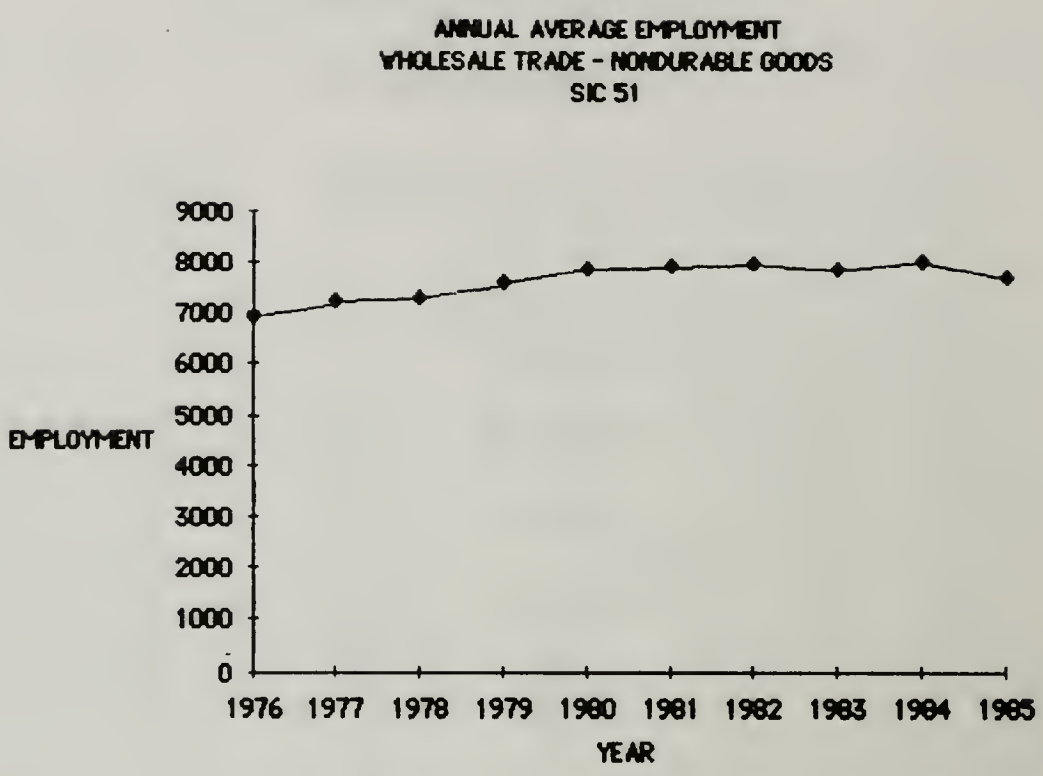
TABLE 8 (CONTINUED)

INDUSTRY 51

WHOLESALE TRADE - NONDURABLE GOODS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	40	.5	19
SUPERVISORS, ALL OTHER	20	.3	30
ALL OTHER INSPECTORS,TESTERS&RELATED	10	.1	--
MAINTENANCE REPAIRERS, GEN. UTILITY	50	.6	15
AUTOMOTIVE MECHANICS	60	.8	16
BUS,TRUCK & DIESEL ENGINE MECHANICS	30	.4	22
TIRE REPAIRERS AND CHANGERS	50	.6	17
ALL OTHER MECHANICS AND INSTALLERS	30	.4	--
ALL OTHER MACHINE OPERATORS&TENDERS	50	.6	--
ALL OTHER HAND WORKERS	20	.3	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	590	7.6	8
LIGHT TRUCK DRIVERS, INCL DELIVERY	590	7.6	10
DRIVER/SALES WORKERS	160	2.1	18
SERVICE STATION ATTENDANTS	240	3.1	11
INDUSTRIAL TRUCK & TRACTOR OPERATORS	40	.5	30
CONVEYOR OPERATORS AND TENDERS	60	.8	22
ALL OTHER FREIGHT & MATERIAL MOVERS	240	3.1	23
HAND PACKERS & PACKAGERS	160	2.1	37
ALL OTHER HELPERS,LABORERS,HAND WORK	380	4.8	--
TOTAL PROD, CONST, MAINT & HANDL	2,820	36.3	--
GRAND TOTAL OF INDUSTRY 51	7,780	100.%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	6901
1977	7196
1978	7285
1979	7567
1980	7840
1981	7906
1982	7965
1983	7821
1984	8019
1985	7700

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

BUILDING MATERIALS, HARDWARE, GARDEN SUPPLIES
AND MOBILE HOME DEALERS

SIC 52

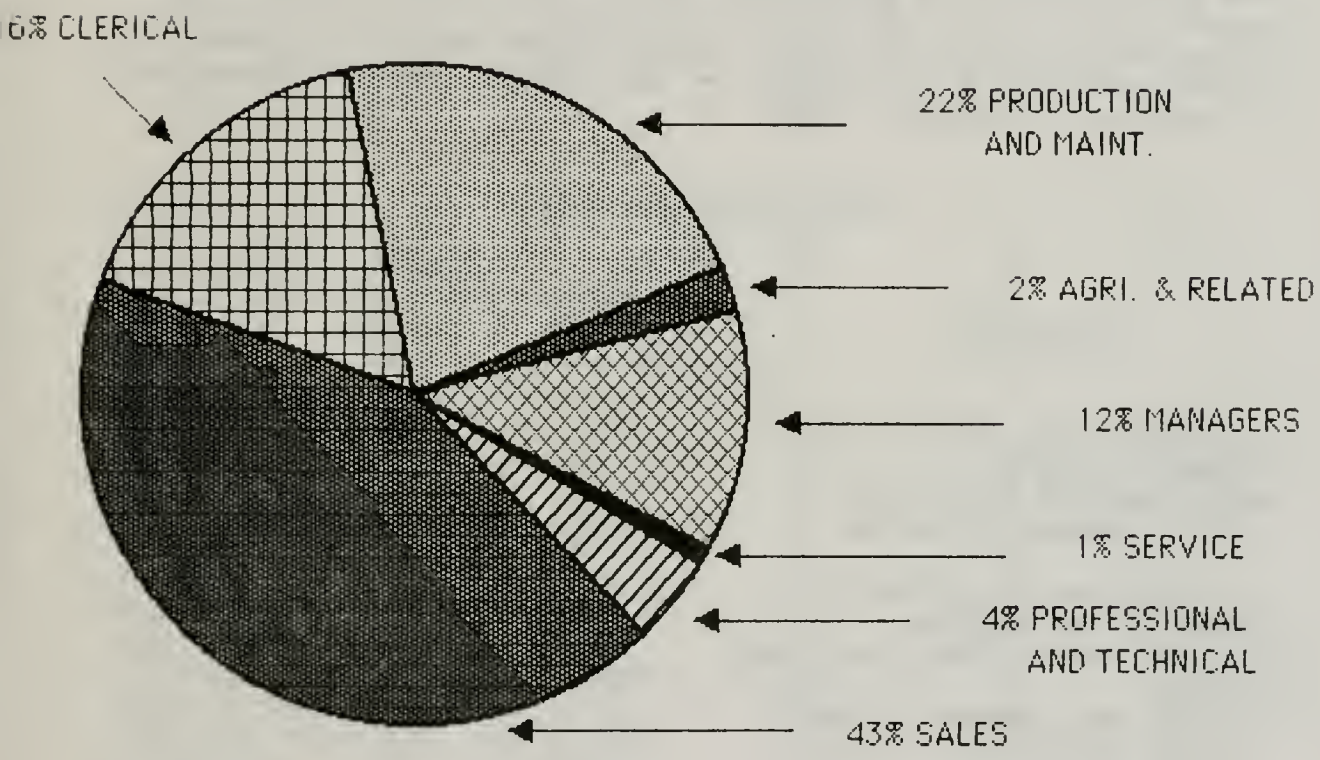


TABLE 9

INDUSTRY 52

BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY, AND MOBILE HOME DEALERS

THIS MAJOR GROUP INCLUDES RETAIL ESTABLISHMENTS PRIMARILY ENGAGED IN SELLING LUMBER AND OTHER BUILDING MATERIALS, PAINT, GLASS AND WALLPAPER, HARDWARE, NURSERY STOCK, LAWN AND GARDEN SUPPLIES, AND MOBILE HOMES. IT INCLUDES LUMBER AND OTHER BUILDING MATERIALS DEALERS AND PAINT, GLASS AND WALLPAPER STORES SELLING TO THE GENERAL PUBLIC, EVEN IF SALES TO CONTRACTORS ACCOUNT FOR A LARGER PROPORTION OF TOTAL SALES. THESE ESTABLISHMENTS ARE KNOWN AS "RETAIL" IN THE TRADE. ESTABLISHMENTS PRIMARILY SELLING THESE PRODUCTS BUT NOT SELLING TO THE GENERAL PUBLIC ARE CLASSIFIED IN WHOLESALE TRADE. ESTABLISHMENTS PRIMARILY SELLING PLUMBING, HEATING AND AIR CONDITIONING EQUIPMENT AND ELECTRICAL SUPPLIES ARE CLASSIFIED IN WHOLESALE TRADE.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	70	2.2	11
GENERAL MANAGERS AND TOP EXEC.	330	10.1	4
TOTAL MANAGERS AND ADMIN.	400	12.3	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	30	.9	21
WHOLESALE/RETAIL BUYERS EXCEPT FARM	50	1.6	17
DRAFTERS	20	.6	40
ALL OTHER PROF,PARAPROF,TECHNICAL	20	.6	--
TOTAL PROFESSIONAL AND TECH.	120	3.7	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	20	.6	37
RETAIL SALESPERSONS	1,080	33.3	4
COUNTER AND RENTAL CLERKS	20	.6	30
STOCK CLERKS, SALES FLOOR	150	4.6	12
CASHIERS	130	4.0	12
TOTAL SALES AND RELATED	1,400	43.1	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SECRETARIES	80	2.4	13
BOOKKEEPING AND ACCOUNTING CLERKS	220	6.8	6
BILLING, COST AND RATE CLERKS	10	.3	47
GENERAL OFFICE CLERKS	90	2.8	16
COMPUTER OPERATORS	10	.3	24
STOCK CLERKS, STOCKROOM & WAREHOUSE	90	2.8	17
TRAFFIC, SHIPPING & RECEIVING CLERKS	30	.9	24
TOTAL CLERICAL AND ADMIN. SUPPORT	530	16.3	--

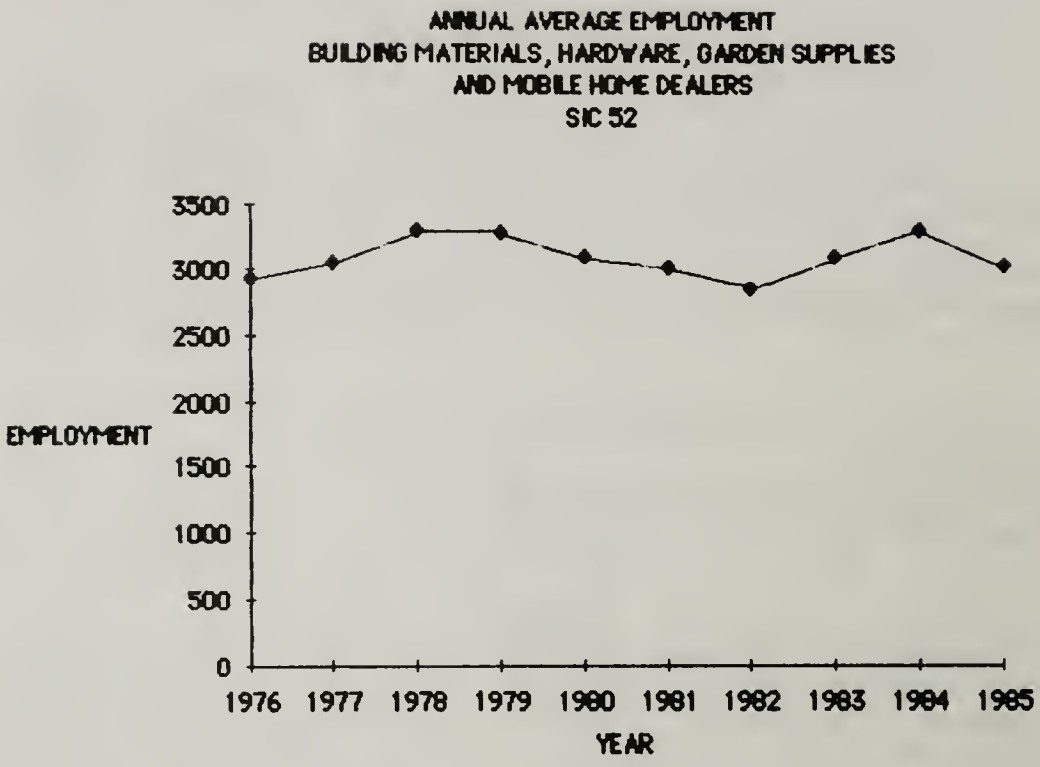
TABLE 9 (CONTINUED)

INDUSTRY 52

BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY, AND MOBILE HOME DEALERS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
JANITORS AND CLEANERS	30	.9	23
TOTAL SERVICE	30	.9	--
6. AGRICULTURAL AND RELATED:			
NURSERY WORKERS	40	1.2	32
ALL OTHER AGRICULTURAL AND REL WORKERS	20	.6	--
TOTAL AGRICULTURAL AND RELATED	60	1.8	--
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	30	.9	23
MAINTENANCE REPAIRERS, GEN. UTILITY	20	.6	44
SMALL ENGINE REPAIR SPECIALISTS	40	1.2	18
MANUF BUILDG,HOMES&TRAILER INSTALLR	100	3.1	11
ALL OTHER MECHANICS AND INSTALLERS	30	.9	--
CARPENTERS	50	1.6	37
GLAZIERS	100	3.1	13
ALL OTHER CONSTRUCTION TRADES WORKER	30	.9	--
WOOD MACHINISTS	20	.6	36
ASSEMBLERS AND FABRICATORS, OTHER	50	1.6	45
HEAVY TRUCK DRIVERS, INCL SEMI'S	40	1.2	39
LIGHT TRUCK DRIVERS, INCL DELIVERY	130	4.1	13
ALL OTHER MOTOR VEHICLE OPERATORS	20	.6	--
INDUSTRIAL TRUCK & TRACTOR OPERATORS	40	1.2	37
ALL OTHER FREIGHT & MATERIAL MOVERS	10	.3	--
TOTAL PROD, CONST, MAINT & HANDL	710	21.9	--
GRAND TOTAL OF INDUSTRY 52	3,250	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	2925
1977	3055
1978	3281
1979	3276
1980	3093
1981	3000
1982	2854
1983	3080
1984	3287
1985	3021

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

GENERAL MERCHANDISE STORES

SIC 53

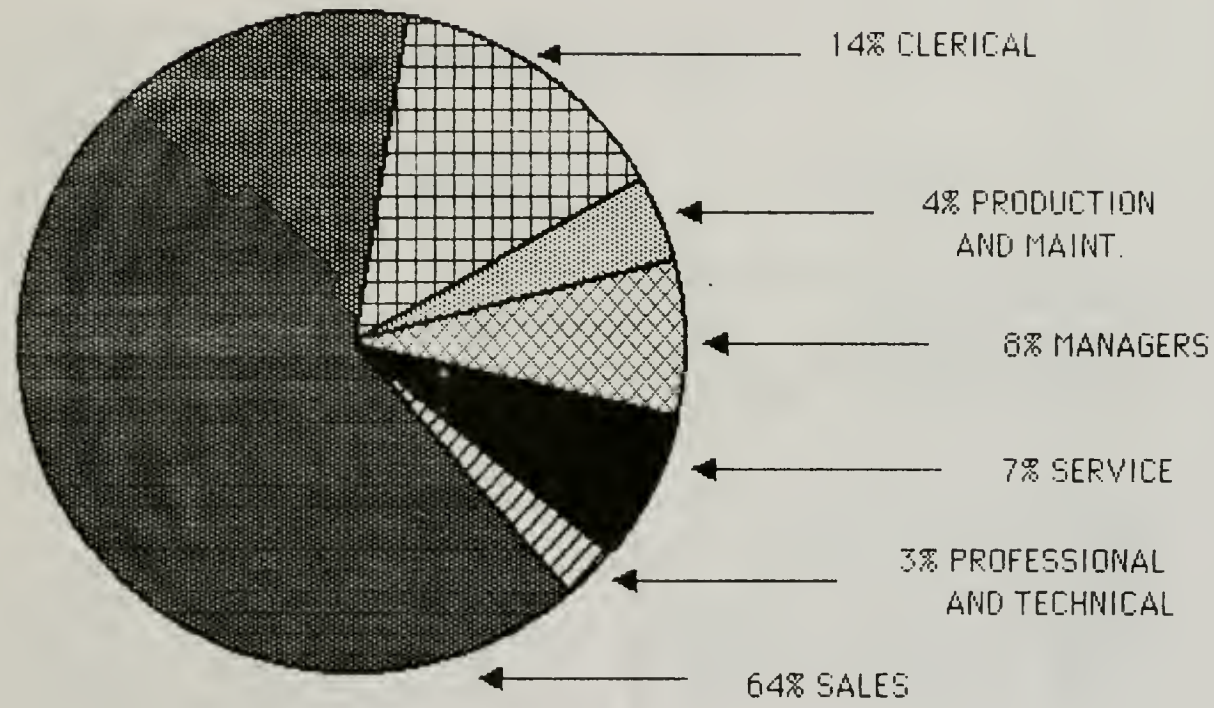


TABLE 10

INDUSTRY 53

GENERAL MERCHANDISE STORES

THIS MAJOR GROUP INCLUDES RETAIL STORES WHICH SELL A NUMBER OF LINES OF MERCHANDISE, SUCH AS DRY GOODS, APPAREL AND ACCESSORIES, FURNITURE AND HOME FURNISHINGS, SMALL WARES, HARDWARE AND FOOD. THE STORES INCLUDED IN THIS GROUP ARE KNOWN AS DEPARTMENT STORES, VARIETY STORES, GENERAL MERCHANDISE STORES, GENERAL STORES, ETC. ESTABLISHMENTS PRIMARILY ENGAGED IN SELLING USED GENERAL MERCHANDISE ARE CLASSIFIED IN GROUP 59, AND THOSE SELLING GENERAL MERCHANDISE BY MAIL, VENDING MACHINE, OR DIRECT SELLING IN GROUP 59.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	50	.9	31
GENERAL MANAGERS AND TOP EXEC.	350	6.2	14
ALL OTHER MANAGERS AND ADMIN.	60	1.1	--
TOTAL MANAGERS AND ADMIN.	460	8.2	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	20	.4	30
WHOLESALE/RETAIL BUYERS EXCEPT FARM	100	1.8	33
PERSONNEL AND RELATED SPECIALISTS	10	.2	46
MERCHANDISE DISPLAYER,INCL WINDOW	60	1.0	20
ALL OTHER PROF,PARAPROF,TECHNICAL	10	.2	--
TOTAL PROFESSIONAL AND TECH.	200	3.6	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	170	3.1	22
RETAIL SALESPERSONS	2,530	44.9	7
STOCK CLERKS, SALES FLOOR	410	7.3	25
CASHIERS	390	6.9	21
ALL OTHER SALES AND RELATED WORKERS	80	1.4	--
TOTAL SALES AND RELATED	3,580	63.6	--

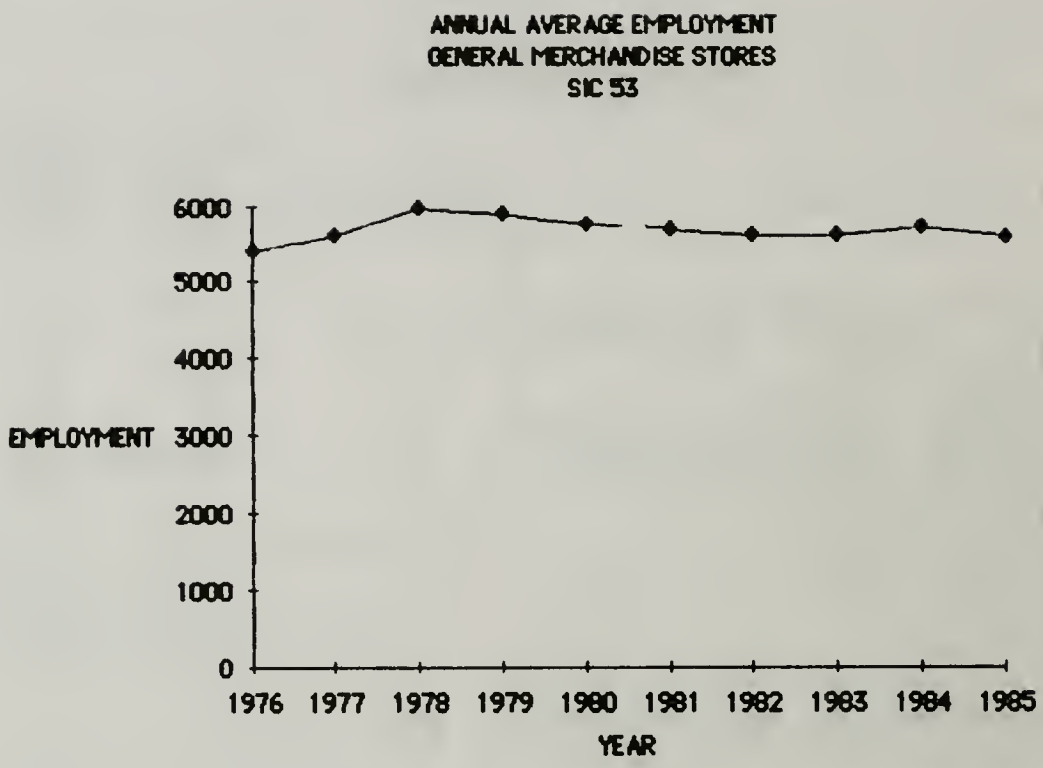
TABLE 10 (CONTINUED)

INDUSTRY 53

GENERAL MERCHANDISE STORES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	90	1.6	21
ADJUSTMENT CLERKS	70	1.2	36
SECRETARIES	20	.4	26
ORDER CLERKS, MERCHANDISE AND SERVICE	60	1.0	31
BOOKKEEPING AND ACCOUNTING CLERKS	90	1.6	17
BILLING, COST AND RATE CLERKS	10	.2	47
GENERAL OFFICE CLERKS	80	1.4	23
DATA ENTRY KEYERS	30	.5	32
ALL OTHER OFFICE MACHINE OPERATORS	40	.7	--
MARKING CLERKS	100	1.8	22
STOCK CLERKS, STOCKROOM & WAREHOUSE	80	1.4	27
TRAFFIC, SHIPPING & RECEIVING CLERKS	50	.9	17
ALL OTHER MATERIAL SCHED & DISTRIBUT.	20	.4	--
ALL OTHER CLERICAL & ADMIN SUPPORT	40	.7	--
TOTAL CLERICAL AND ADMIN. SUPPORT	780	13.8	--
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	10	.2	--
ALL OTHER PROTECTIVE SERVICE WORKERS	20	.4	--
WAITERS AND WAITRESSES	30	.5	15
LUNCHROOM/CAFETERIA COUNTER ATTENDANTS	50	.9	49
BUTCHERS AND MEAT CUTTERS	10	.2	27
ALL OTHER FOOD SERVICE WORKERS	50	.9	--
JANITORS AND CLEANERS	140	2.4	9
ALL OTHER CLEANING & BUILDING SERVICE	30	.5	--
ALL OTHER SERVICE WORKERS	50	.9	--
TOTAL SERVICE	390	6.9	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
MAINTENANCE REPAIRERS, GEN. UTILITY	30	.5	42
AUTOMOTIVE MECHANICS	30	.5	44
ALL OTHER ELEC EQUIPMENT REPAIRERS	40	.7	--
ALL OTHER MECHANICS AND INSTALLERS	10	.2	--
ALL OTHER PRECISION TEXTILE WORKERS	20	.4	--
ALL OTHER MACHINE OPERATORS&TENDERS	10	.2	--
ALL OTHER MOTOR VEHICLE OPERATORS	20	.4	--
ALL OTHER TRANSPORTATION RELATED WRK	10	.2	--
ALL OTHER FREIGHT & MATERIAL MOVERS	40	.7	--
ALL OTHER HELPERS,LABORERS,HAND WORK	10	.1	--
TOTAL PROD, CONST, MAINT & HANDL	220	3.9	--
GRAND TOTAL OF INDUSTRY 53	5,630	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	5389
1977	5609
1978	5959
1979	5889
1980	5738
1981	5680
1982	5596
1983	5597
1984	5713
1985	5580

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

FOOD STORES

SIC 54

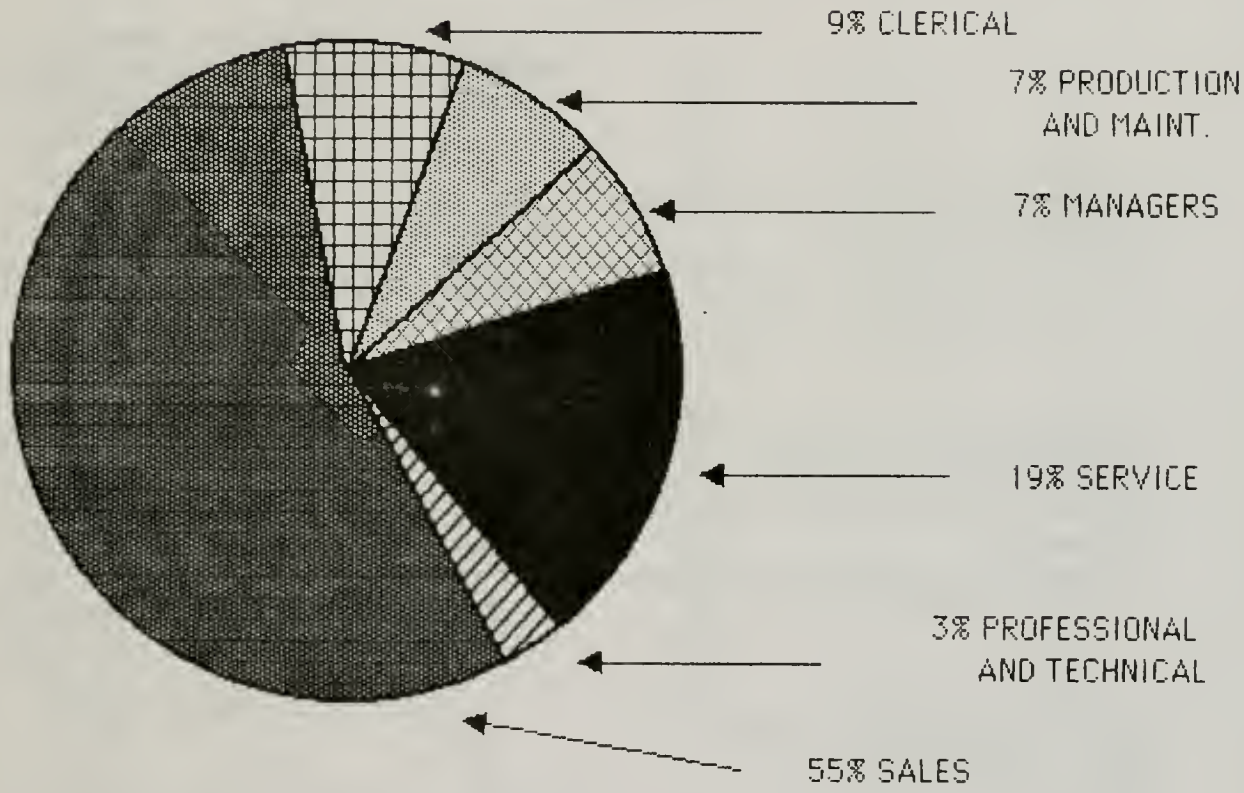


TABLE 11

INDUSTRY 54

FOOD STORES

THIS MAJOR GROUP INCLUDES RETAIL STORES PRIMARILY ENGAGED IN SELLING FOOD FOR HOME PREPARATION AND CONSUMPTION. ESTABLISHMENTS PRIMARILY ENGAGED IN SELLING PREPARED FOODS AND DRINKS FOR CONSUMPTION ON THE PREMISES ARE CLASSIFIED IN INDUSTRY 58, AND STORES PRIMARILY ENGAGED IN SELLING PACKAGED BEERS AND LIQUORS IN INDUSTRY 59.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	110	1.3	21
GENERAL MANAGERS AND TOP EXEC.	450	5.0	7
ALL OTHER MANAGERS AND ADMIN.	30	.3	--
TOTAL MANAGERS AND ADMIN.	590	6.6	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	30	.3	26
WHOLESALE/RETAIL BUYERS EXCEPT FARM	100	1.1	19
PURCHASING AGENTS/BUYERS FARM PRODS	20	.2	41
PHARMACISTS	40	.5	20
ALL OTHER PROF,PARAPROF,TECHNICAL	40	.5	--
TOTAL PROFESSIONAL AND TECH.	230	2.6	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	40	.4	21
RETAIL SALESPERSONS	840	9.3	11
STOCK CLERKS, SALES FLOOR	1,410	15.7	7
CASHIERS	2,590	28.8	5
ALL OTHER SALES AND RELATED WORKERS	50	.6	--
TOTAL SALES AND RELATED	4,930	54.8	--

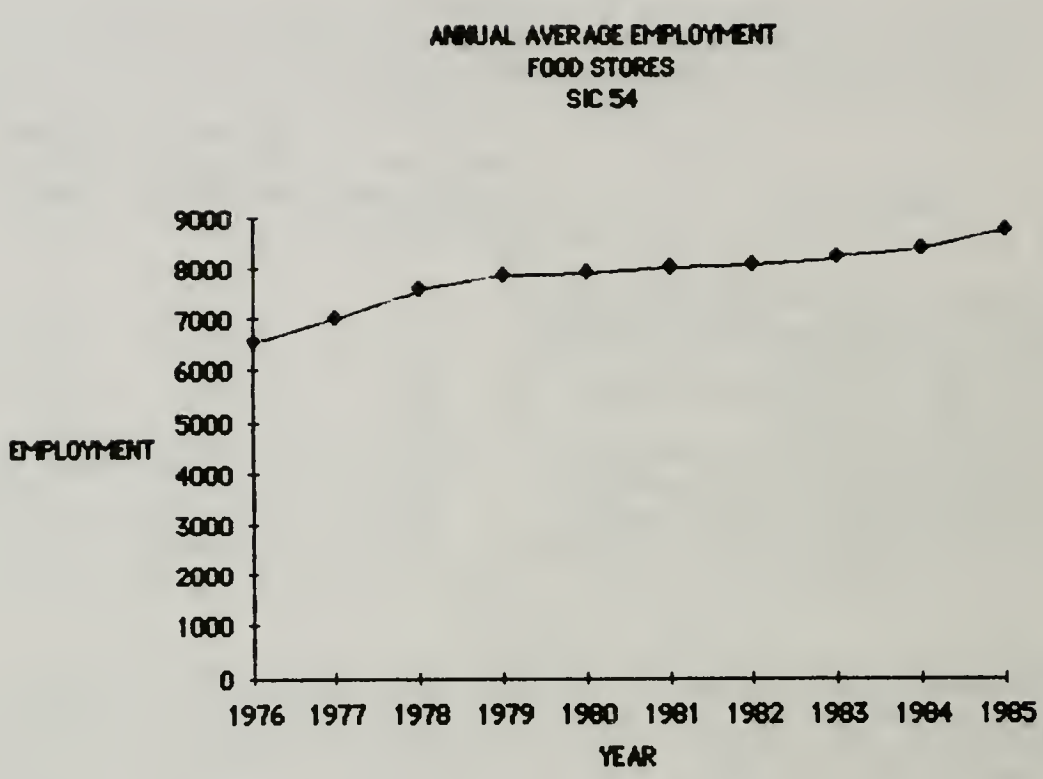
TABLE 11 (CONTINUED)

INDUSTRY 54

FOOD STORES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	20	.2	39
SECRETARIES	60	.7	18
BOOKKEEPING AND ACCOUNTING CLERKS	200	2.2	16
GENERAL OFFICE CLERKS	60	.7	24
ALL OTHER OFFICE MACHINE OPERATORS	20	.2	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	440	4.9	15
ALL OTHER CLERICAL & ADMIN SUPPORT	50	.5	--
TOTAL CLERICAL AND ADMIN. SUPPORT	850	9.4	--
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	10	.1	--
WAITERS AND WAITRESSES	170	1.9	37
BAKERS, BREAD AND PASTRY	390	4.3	10
BUTCHERS AND MEAT CUTTERS	530	5.9	7
COOKS, SHORT ORDER	70	.8	36
FOOD PREPARATION WORKERS	190	2.1	22
COMBINATION FOOD PREPARATION/SERVICE	40	.4	37
ALL OTHER FOOD SERVICE WORKERS	170	1.9	--
JANITORS AND CLEANERS	170	1.9	13
TOTAL SERVICE	1,740	19.3	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
MAINTENANCE REPAIRERS, GEN. UTILITY	20	.2	42
HEAVY TRUCK DRIVERS, INCL SEMI'S	40	.4	17
LIGHT TRUCK DRIVERS, INCL DELIVERY	30	.3	15
ALL OTHER FREIGHT & MATERIAL MOVERS	470	5.3	10
HAND PACKERS & PACKAGERS	90	1.0	26
ALL OTHER HELPERS,LABORERS,HAND WORK	10	.1	--
TOTAL PROD, CONST, MAINT & HANDL	660	7.3	--
	---	---	
GRAND TOTAL OF INDUSTRY 54	9,000	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	6538
1977	7009
1978	7554
1979	7823
1980	7903
1981	8007
1982	8071
1983	8190
1984	8377
1985	8747

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

AUTOMOTIVE DEALERS & GASOLINE SERVICE STATIONS

SIC 55

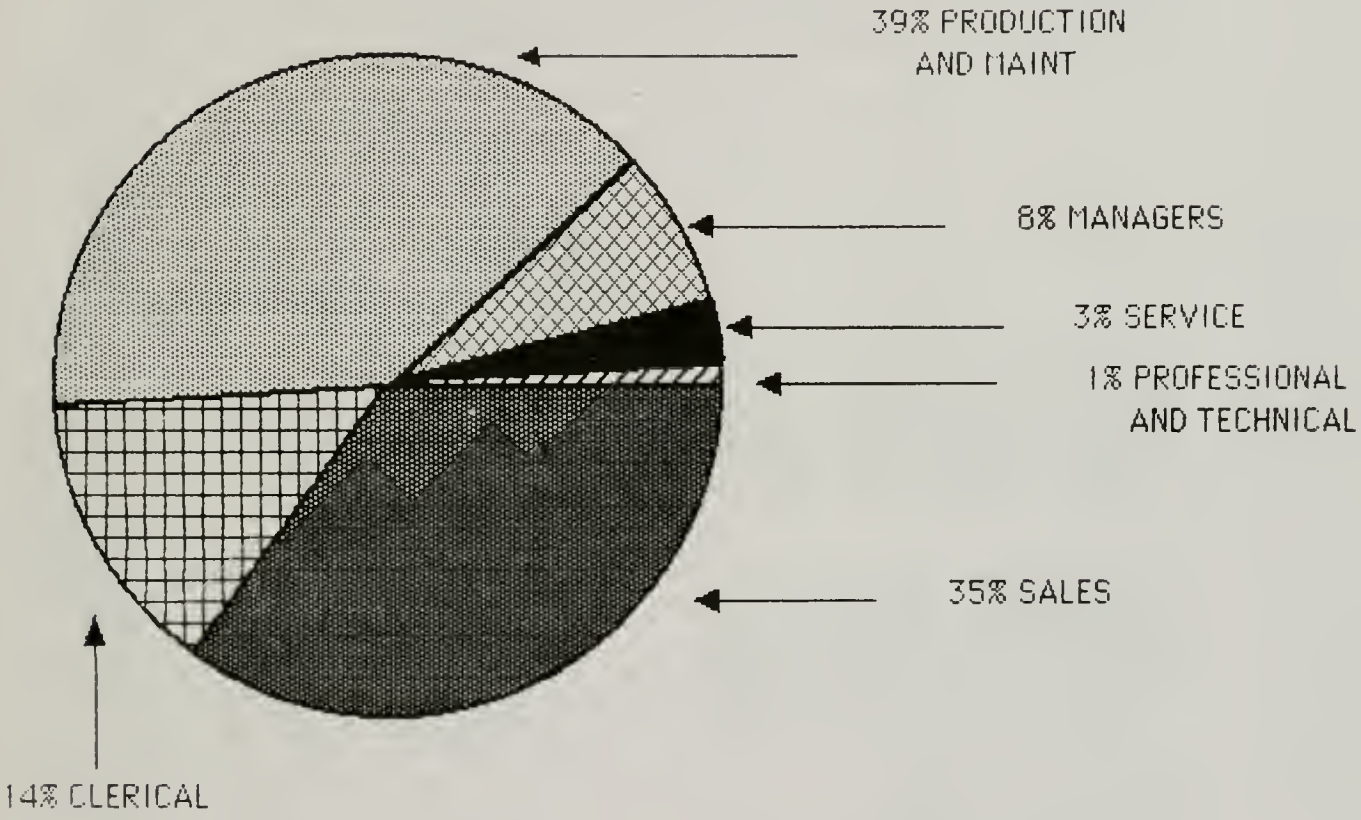


TABLE 12

INDUSTRY 55

AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS

THIS MAJOR GROUP INCLUDES RETAIL DEALERS SELLING NEW AND USED AUTOMOBILES, BOATS, RECREATIONAL AND UTILITY TRAILERS, AND MOTORCYCLES; THOSE SELLING NEW AUTOMOBILE PARTS AND ACCESSORIES; AND GASOLINE SERVICE STATIONS. THIS GROUP INCLUDES ESTABLISHMENTS DEALING IN USED AUTOMOBILES EXCLUSIVELY, BUT NOT ESTABLISHMENTS DEALING EXCLUSIVELY IN USED PARTS. AUTOMOBILE REPAIR SHOPS MAINTAINED BY THE ESTABLISHMENT ENGAGED IN THE SALE OF NEW AUTOMOBILES ARE ALSO INCLUDED. AUTOMOBILE DISTRIBUTORS, THE GREATER PART OF WHOSE SALES ARE TO DEALERS OR TO INSTITUTIONAL OR INDUSTRIAL USERS, ARE CLASSIFIED IN WHOLESALE TRADE.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
MRKTG, ADVERTISING, AND P/R MGRS.	140	1.8	11
GENERAL MANAGERS AND TOP EXEC.	490	6.1	5
ALL OTHER MANAGERS AND ADMIN.	20	.2	--
TOTAL MANAGERS AND ADMIN.	650	8.1	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	70	.9	15
ALL OTHER MGMT. SUPPORT WORKERS	20	.2	--
ALL OTHER PROF,PARAPROF,TECHNICAL	10	.1	--
TOTAL PROFESSIONAL AND TECH.	100	1.2	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	50	.6	21
RETAIL SALESPERSONS	1,000	12.5	5
PARTS SALESPERSONS	630	7.9	6
CASHIERS	1,090	13.6	6
TOTAL SALES AND RELATED	2,770	34.6	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	270	3.4	9
SECRETARIES	130	1.6	15
BOOKKEEPING AND ACCOUNTING CLERKS	390	4.9	6
BILLING, COST AND RATE CLERKS	50	.6	17
GENERAL OFFICE CLERKS	180	2.3	9
DISPATCHERS, EXCEPT POLICE, FIRE&AMBL	20	.2	27
STOCK CLERKS, STOCKROOM & WAREHOUSE	100	1.3	15
ALL OTHER CLERICAL & ADMIN SUPPORT	10	.1	--
TOTAL CLERICAL AND ADMIN. SUPPORT	1,150	14.4	--

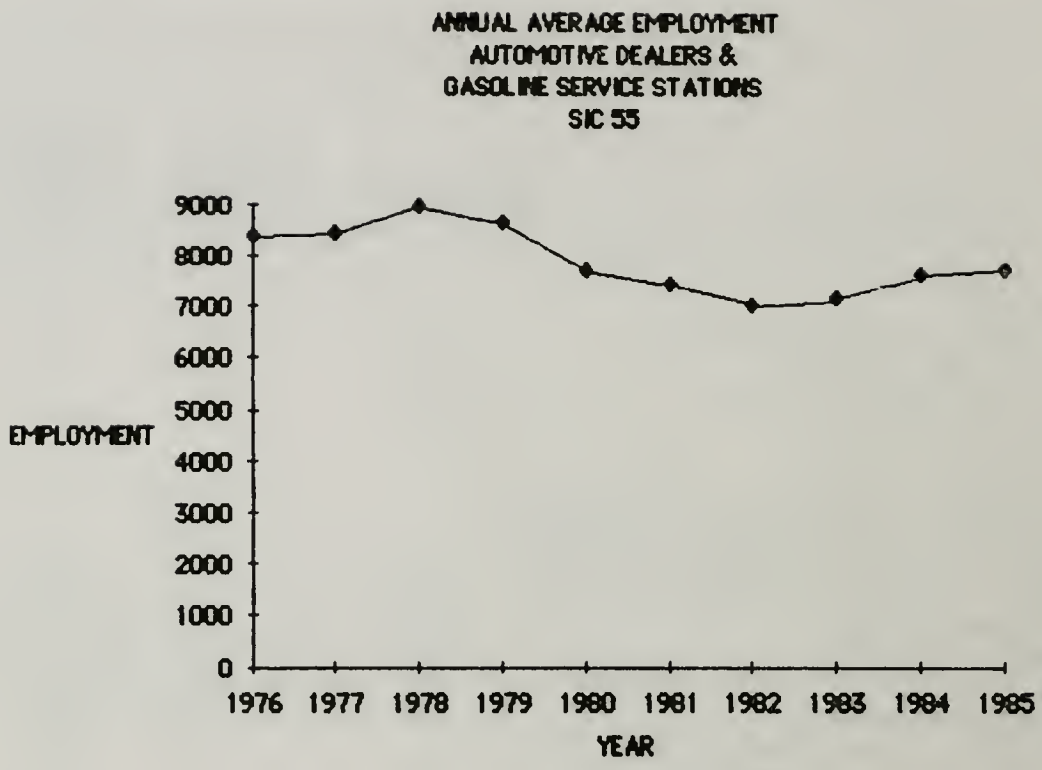
TABLE 12 (CONTINUED)

INDUSTRY 55

AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
ALL OTHER FOOD SERVICE WORKERS	120	1.5	--
JANITORS AND CLEANERS	90	1.1	14
ALL OTHER SERVICE WORKERS	10	.1	--
TOTAL SERVICE	220	2.7	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	190	2.4	9
MAINTENANCE REPAIRERS, GEN. UTILITY	60	.8	27
AUTOMOTIVE MECHANICS	1,020	12.7	5
AUTOMOTIVE BODY & RELATED REPAIRERS	160	2.0	11
MOTORCYCLE REPAIRERS	50	.6	28
BUS,TRUCK & DIESEL ENGINE MECHANICS	40	.5	31
SMALL ENGINE REPAIR SPECIALISTS	40	.5	27
ELECTRICAL TRANSPORT EQUIP REPAIRER	10	.1	30
TIRE REPAIRERS AND CHANGERS	290	3.6	9
ALL OTHER MECHANICS AND INSTALLERS	40	.5	--
MACHINISTS	30	.4	32
ALL OTHER PRECISION WORKERS	20	.2	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	60	.8	30
LIGHT TRUCK DRIVERS, INCL DELIVERY	60	.8	19
SERVICE STATION ATTENDANTS	670	8.4	7
ALL OTHER TRANSPORTATION RELATED WRK	50	.6	--
MECHANIC AND REPAIRER HELPERS	90	1.1	17
VEHICLE WASHERS & EQUIPMENT CLEANERS	240	3.0	13
TOTAL PROD, CONST, MAINT & HANDL	3,120	39.0	--
GRAND TOTAL OF INDUSTRY 55	8,010	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	8367
1977	8420
1978	8942
1979	8612
1980	7703
1981	7412
1982	7030
1983	7163
1984	7622
1985	7740

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

APPAREL AND ACCESSORY STORES

SIC 56

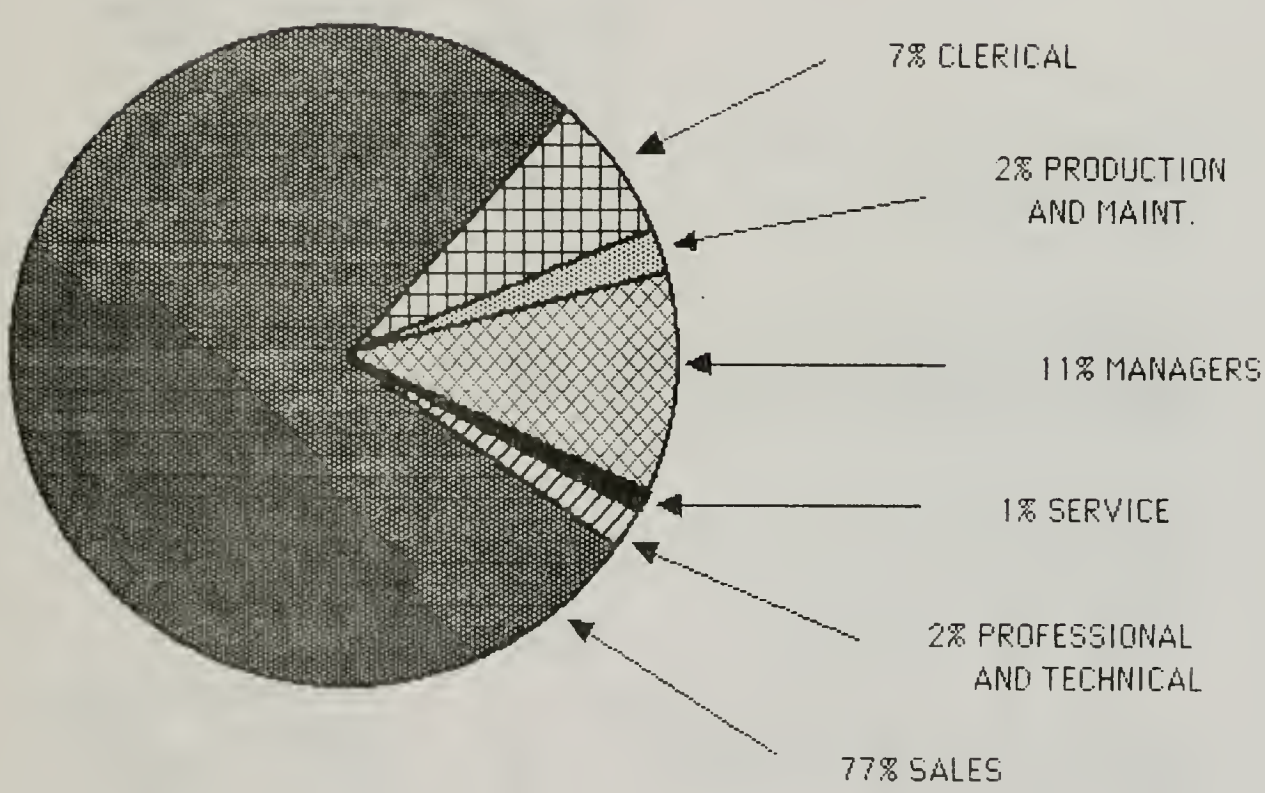


TABLE 13

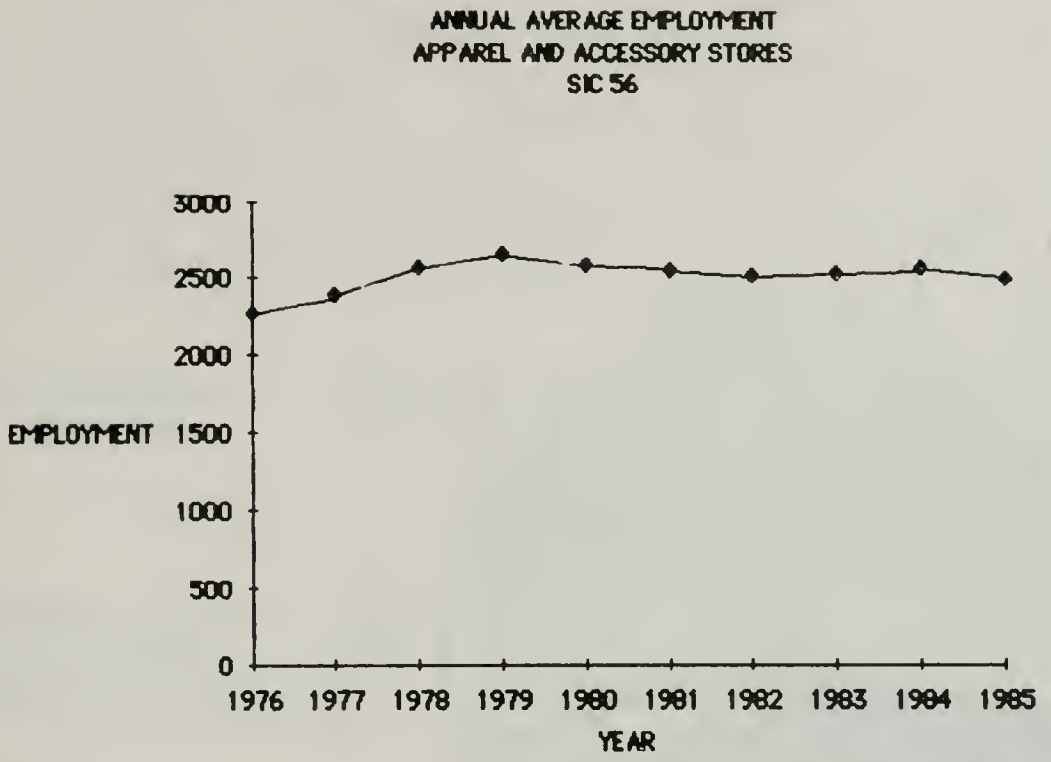
INDUSTRY 56

APPAREL AND ACCESSORY STORES

THIS MAJOR GROUP INCLUDES RETAIL STORES PRIMARILY ENGAGED IN SELLING NEW CLOTHING, SHOES, HATS, UNDERWEAR, AND RELATED ARTICLES FOR PERSONAL WEAR AND ADORNMENT. FURRIERS AND CUSTOM TAILORS CARRYING STOCKS OF MATERIALS ARE INCLUDED IN THIS GROUP.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	30	1.1	30
GENERAL MANAGERS AND TOP EXEC.	260	10.2	8
TOTAL MANAGERS AND ADMIN.	290	11.3	--
2. PROFESSIONAL AND TECHNICAL:			
ALL OTHER FINANCIAL SPECIALISTS	10	.4	--
WHOLESALE/RETAIL BUYERS EXCEPT FARM	20	.8	25
MERCHANDISE DISPLAYER,INCL WINDOW	20	.8	20
TOTAL PROFESSIONAL AND TECH.	50	2.0	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	110	4.3	16
RETAIL SALESPERSONS	1,720	67.5	2
STOCK CLERKS, SALES FLOOR	80	3.1	17
CASHIERS	50	2.0	25
TOTAL SALES AND RELATED	1,960	76.9	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	30	1.2	26
BOOKKEEPING AND ACCOUNTING CLERKS	70	2.7	12
GENERAL OFFICE CLERKS	20	.8	22
MARKING CLERKS	20	.8	21
ALL OTHER MATERIAL SCHED & DISTRIBUT.	20	.8	--
ALL OTHER CLERICAL & ADMIN SUPPORT	10	.4	--
TOTAL CLERICAL AND ADMIN. SUPPORT	170	6.7	--
5. SERVICE:			
JANITORS AND CLEANERS	20	.8	19
TOTAL SERVICE	20	.8	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
CUSTOM TAILORS AND SEWERS	50	1.9	13
ALL OTHER MACHINE OPERATORS&TENDERS	10	.4	--
TOTAL PROD, CONST, MAINT & HANDL	60	2.3	--
GRAND TOTAL OF INDUSTRY 56	2,550	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	2271
1977	2383
1978	2562
1979	2653
1980	2570
1981	2540
1982	2504
1983	2530
1984	2553
1985	2489

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

FURNITURE, HOME FURNISHINGS, AND
EQUIPMENT STORES

SIC 57

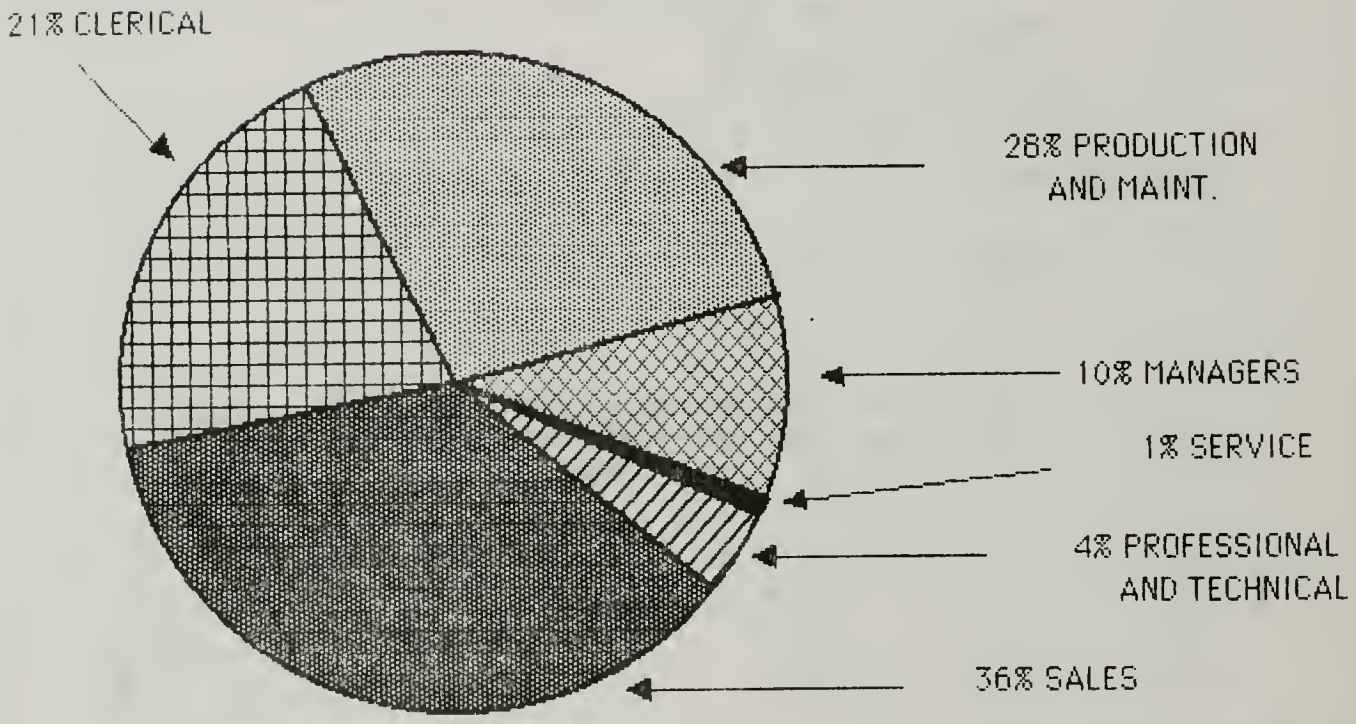


TABLE 14

INDUSTRY 57

FURNITURE, HOME FURNISHINGS, AND EQUIPMENT STORES

THIS MAJOR GROUP INCLUDES RETAIL STORES SELLING GOODS USED FOR FURNISHING THE HOME, SUCH AS FURNITURE, FLOOR COVERINGS, DRAPERIES, GLASS AND CHINAWARE, DOMESTIC STOVES, REFRIGERATORS, AND OTHER HOUSEHOLD ELECTRICAL AND GAS APPLIANCES. ESTABLISHMENTS SELLING ELECTRICAL AND GAS APPLIANCES ARE INCLUDED IN THIS GROUP ONLY IF THE MAJOR PART OF THEIR SALES CONSIST OF ARTICLES FOR HOME USE. DEALERS PRIMARILY ENGAGED IN SELLING ANTIQUE AND SECONDHAND FURNITURE ARE CLASSIFIED IN INDUSTRY 59. STORES FURNISHING INTERIOR DECORATOR SERVICE ARE CLASSIFIED ACCORDING TO THE MERCHANDISE HANDLED.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	30	1.3	22
GENERAL MANAGERS AND TOP EXEC.	220	9.2	8
TOTAL MANAGERS AND ADMIN.	250	10.5	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	20	.8	26
WHOLESALE RETAIL BUYERS EXCEPT FARM	30	1.3	25
INTERIOR DESIGNERS	40	1.7	24
ALL OTHER PROF,PARAPROF,TECHNICAL	10	.4	--
TOTAL PROFESSIONAL AND TECH.	100	4.2	--
3. SALES AND RELATED:			
RETAIL SALESPERSONS	730	30.5	6
STOCK CLERKS, SALES FLOOR	50	2.2	19
ALL OTHER SALES AND RELATED WORKERS	80	3.3	--
TOTAL SALES AND RELATED	860	36.0	--

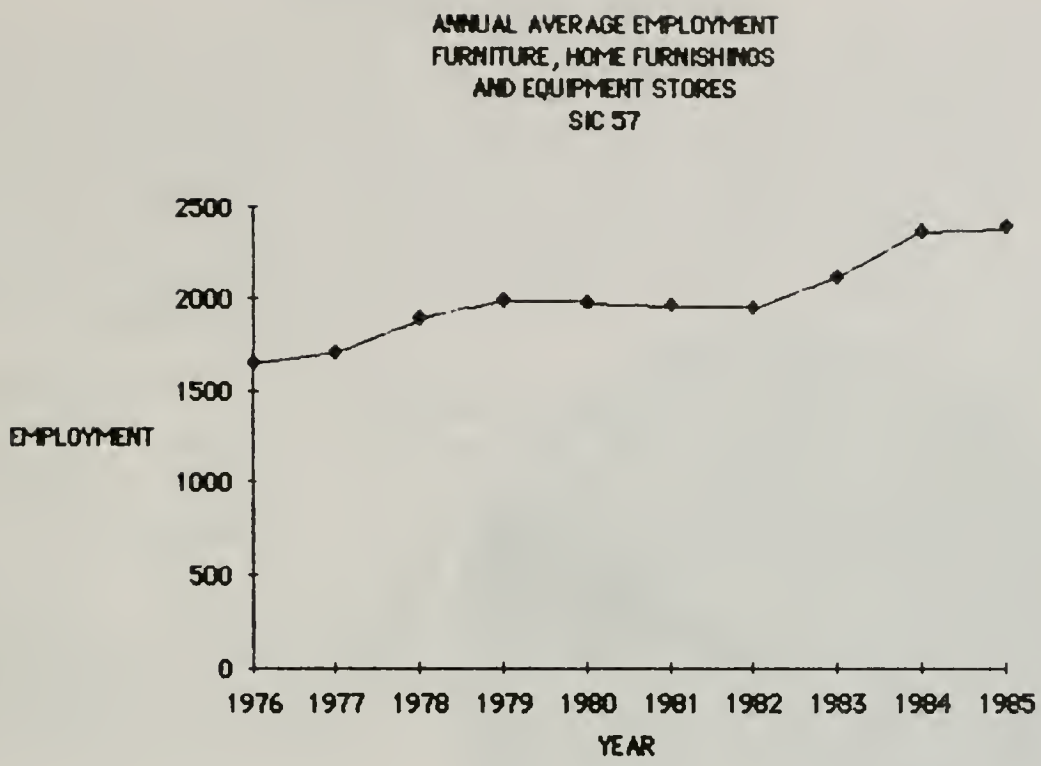
TABLE 14 (CONTINUED)

INDUSTRY 57

FURNITURE, HOME FURNISHINGS, AND EQUIPMENT STORES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	50	2.1	16
BILL AND ACCOUNT COLLECTORS	10	.4	31
SECRETARIES	20	.8	24
RECEPTIONISTS AND INFORMATION CLERKS	10	.4	31
BOOKKEEPING AND ACCOUNTING CLERKS	160	6.7	9
GENERAL OFFICE CLERKS	120	5.1	12
ALL OTHER OFFICE MACHINE OPERATORS	10	.4	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	70	2.9	18
TRAFFIC, SHIPPING & RECEIVING CLERKS	30	1.3	19
ALL OTHER CLERICAL & ADMIN SUPPORT	10	.4	--
TOTAL CLERICAL AND ADMIN. SUPPORT	490	20.5	--
5. SERVICE:			
JANITORS AND CLEANERS	30	1.2	18
TOTAL SERVICE	30	1.2	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	20	.8	29
MAINTENANCE REPAIRERS, GEN. UTILITY	50	2.1	35
ELECTRONIC HOME ENTERTAINMENT RPR.	100	4.2	18
ELECTRIC APPLIANCE & POWER TOOL RPR	70	2.9	20
ALL OTHER MECHANICS AND INSTALLERS	40	1.7	--
CARPET INSTALLERS	50	2.1	24
ALL OTHER CONSTRUCTION TRADES WORKER	10	.4	--
CABINETMAKERS & BENCH CARPENTERS	80	3.3	30
FURNITURE FINISHERS	10	.4	42
ALL OTHER PRECISION TEXTILE WORKERS	10	.4	--
SEWING MACHINE OPERATORS,NON-GARMENT	30	1.3	40
LIGHT TRUCK DRIVERS, INCL DELIVERY	130	5.5	11
ALL OTHER FREIGHT & MATERIAL MOVERS	50	2.1	22
ALL OTHER HELPERS,LABORERS,HAND WORK	10	.4	--
TOTAL PROD, CONST, MAINT & HANDL	660	27.6	--
GRAND TOTAL OF INDUSTRY 57	2,390	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	1636
1977	1703
1978	1884
1979	1989
1980	1980
1981	1956
1982	1950
1983	2124
1984	2370
1985	2392

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

EATING AND DRINKING PLACES

SIC 58

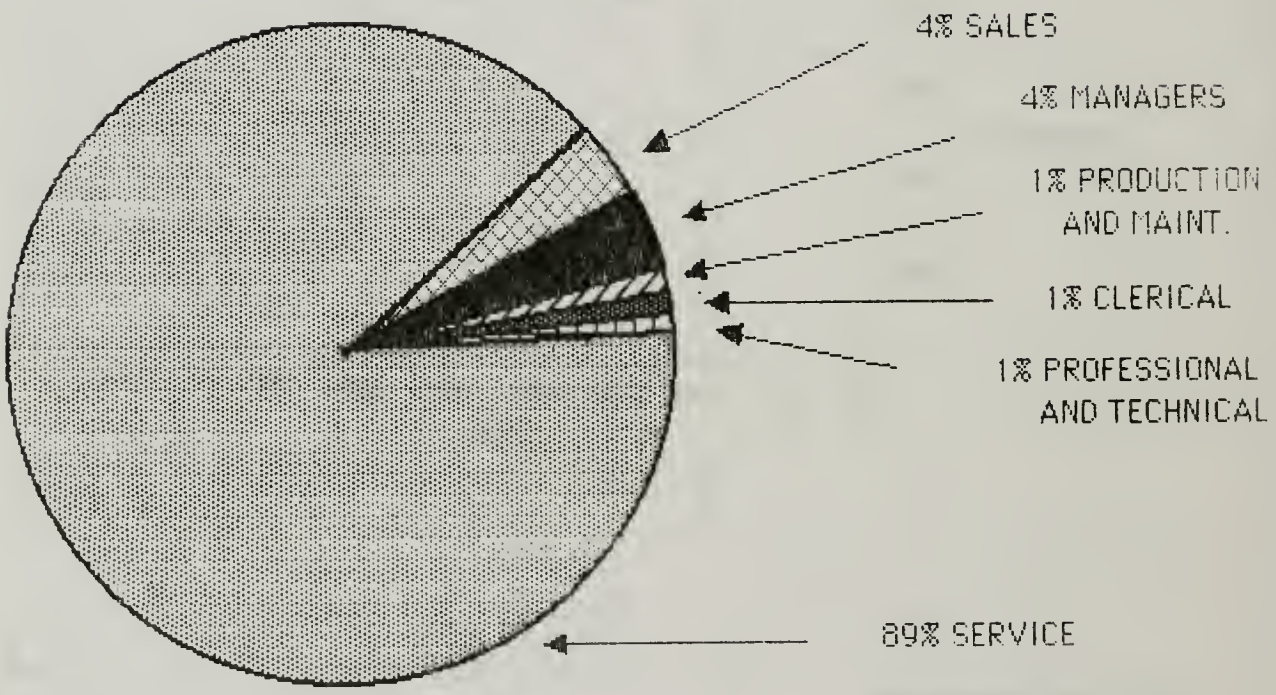


TABLE 15

INDUSTRY 58

EATING AND DRINKING PLACES

THIS MAJOR GROUP INCLUDES RETAIL ESTABLISHMENTS SELLING PREPARED FOODS AND DRINKS FOR CONSUMPTION ON THE PREMISES, AND ALSO LUNCH COUNTERS AND REFRESHMENT STANDS SELLING PREPARED FOODS AND DRINKS FOR IMMEDIATE CONSUMPTION. RESTAURANTS, LUNCH COUNTERS, AND DRINKING PLACES OPERATED AS A SUBORDINATE SERVICE FACILITY BY OTHER ESTABLISHMENTS ARE NOT INCLUDED IN THIS INDUSTRY, UNLESS THEY ARE OPERATED AS LEASED DEPARTMENTS BY OUTSIDE OPERATORS. THUS, RESTAURANTS AND LUNCH COUNTERS OPERATED BY HOTELS ARE CLASSIFIED IN INDUSTRY 70; THOSE OPERATED BY DEPARTMENT STORES IN INDUSTRY 53.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FOOD SERVICE AND LODGING MANAGERS	690	2.9	8
GENERAL MANAGERS AND TOP EXEC.	300	1.3	10
ALL OTHER MANAGERS AND ADMIN.	20	.1	--
TOTAL MANAGERS AND ADMIN.	1,010	4.3	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	70	.3	25
ALL OTHER HEALTH PROF & TECH.	10	.1	--
ALL OTHER PROF,PARAPROF,TECHNICAL	50	.2	--
TOTAL PROFESSIONAL AND TECH.	130	.6	--
3. SALES AND RELATED:			
RETAIL SALESPERSONS	80	.3	41
CASHIERS	800	3.4	15
ALL OTHER SALES AND RELATED WORKERS	20	.1	--
TOTAL SALES AND RELATED	900	3.8	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	50	.2	26
SECRETARIES	20	.1	24
BOOKKEEPING AND ACCOUNTING CLERKS	270	1.0	12
GENERAL OFFICE CLERKS	10	.1	32
ALL OTHER CLERICAL & ADMIN SUPPORT	10	.1	--
TOTAL CLERICAL AND ADMIN. SUPPORT	360	1.5	--

TABLE 15 (CONTINUED)

INDUSTRY 58

EATING AND DRINKING PLACES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	430	1.8	11
GUARDS AND WATCH GUARDS	80	.3	26
HOSTS AND HOSTESSES	470	2.0	10
BARTENDERS	2,280	9.7	10
WAITERS AND WAITRESSES	5,490	23.5	5
DINING ROOM & CAFETERIA ATTENDANTS	650	2.8	13
LUNCHROOM/CAFETERIA COUNTER ATTENDANTS	530	2.3	26
BAKERS, BREAD AND PASTRY	120	.5	21
COOKS, RESTAURANT	2,290	9.8	6
COOKS, SPECIALTY FAST FOOD	1,510	6.5	15
COOKS, SHORT ORDER	630	2.7	21
FOOD PREPARATION WORKERS	1,510	6.4	9
COMBINATION FOOD PREPARATION/SERVICE	3,830	16.4	10
ALL OTHER FOOD SERVICE WORKERS	90	.4	--
MAIDS AND HOUSEKEEPING CLEANERS	140	.6	23
JANITORS AND CLEANERS	540	2.3	10
ALL OTHER SERVICE WORKERS	110	.5	39
TOTAL SERVICE	20,700	88.5	--
6. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
MAINTENANCE REPAIRERS, GEN. UTILITY	110	.5	26
LIGHT TRUCK DRIVERS, INCL DELIVERY	110	.5	44
DRIVER/SALES WORKERS	80	.3	40
TOTAL PROD, CONST, MAINT & HANDL	300	1.3	--
	---	---	
GRAND TOTAL OF INDUSTRY 58	23,400	100.0%	

ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	16960
1977	19899
1978	18040
1979	20041
1980	19624
1981	20489
1982	20997
1983	21828
1984	22298
1985	22043

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

MISCELLANEOUS RETAIL

SIC 59

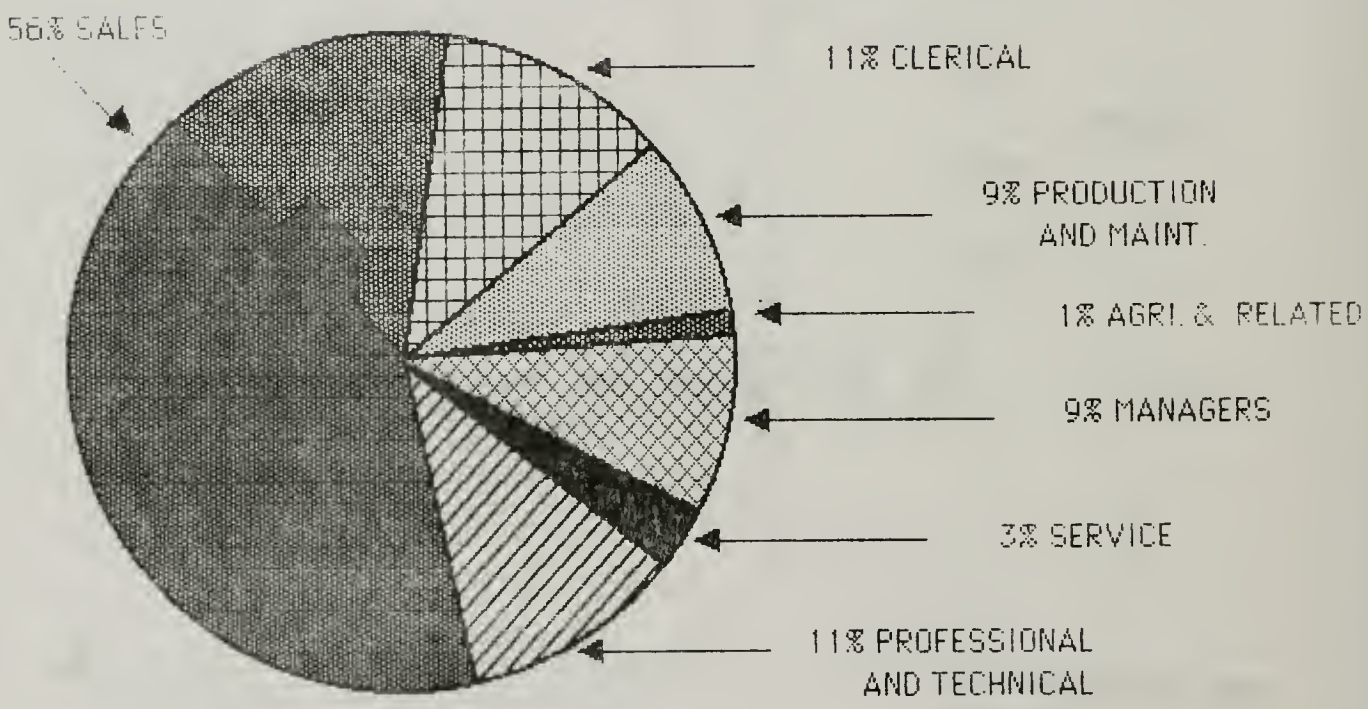


TABLE 16

INDUSTRY 59

MISCELLANEOUS RETAIL

THIS MAJOR GROUP INCLUDES RETAIL ESTABLISHMENTS NOT ELSEWHERE CLASSIFIED. THESE ESTABLISHMENTS FALL INTO THE FOLLOWING CATEGORIES: DRUG STORES, LIQUOR STORES, USED MERCHANDISE STORES, NONSTORE RETAILERS, FUEL AND ICE DEALERS, MISCELLANEOUS SHOPPING GOODS STORES, FLORISTS, CIGAR STORES AND STANDS, AND MISCELLANEOUS RETAIL STORES NOT ELSEWHERE CLASSIFIED.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
PURCHASING MANAGERS	100	1.6	21
MRKTG, ADVERTISING, AND P/R MGRS.	20	.3	25
GENERAL MANAGERS AND TOP EXEC.	450	7.0	6
TOTAL MANAGERS AND ADMIN.	570	8.9	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	50	.8	18
WHOLESALE/RETAIL BUYERS EXCEPT FARM	80	1.2	16
OPTICIANS, DISPENSING & MEASURING	110	1.7	28
PHARMACISTS	230	3.6	4
ALL OTHER HEALTH PROF & TECH.	10	.2	--
DESIGNERS, EXCEPT INTERIOR DESIGN	150	2.3	24
ALL OTHER PROF,PARAPROF,TECHNICAL	50	.8	--
TOTAL PROFESSIONAL AND TECH.	680	10.6	--
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	250	3.9	14
RETAIL SALESPERSONS	2,700	42.3	4
STOCK CLERKS, SALES FLOOR	330	5.2	12
CASHIERS	270	4.2	9
NEWS VENDORS, AND RELATED WORKERS	10	.1	43
ALL OTHER SALES AND RELATED WORKERS	50	.8	--
TOTAL SALES AND RELATED	3,610	56.5	--

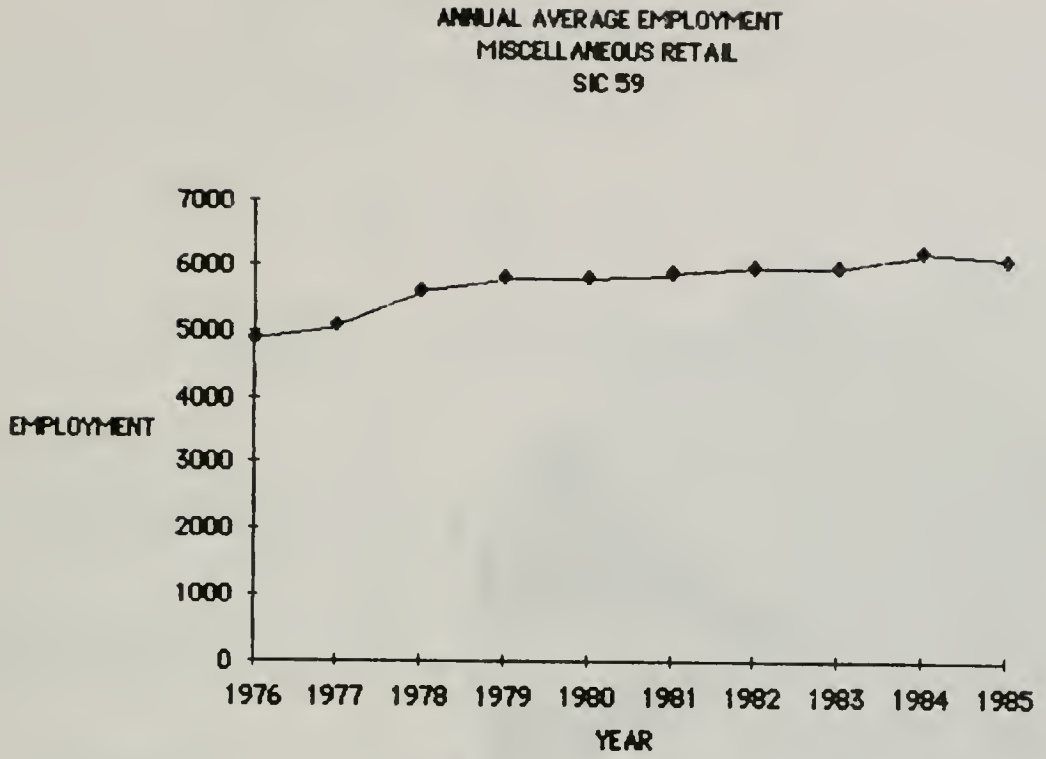
TABLE 16 (CONTINUED)

INDUSTRY 59

MISCELLANEOUS RETAIL

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SECRETARIES	60	.9	19
ORDER CLERKS, MERCHANDISE AND SERVICE	30	.5	28
BOOKKEEPING AND ACCOUNTING CLERKS	320	5.0	7
GENERAL OFFICE CLERKS	140	2.2	18
ALL OTHER OFFICE MACHINE OPERATORS	10	.2	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	30	.5	26
TRAFFIC, SHIPPING & RECEIVING CLERKS	50	.8	29
ALL OTHER MATERIAL SCHED & DISTRIBUT.	20	.3	--
ALL OTHER CLERICAL & ADMIN SUPPORT	40	.6	41
TOTAL CLERICAL AND ADMIN. SUPPORT	700	11.0	--
5. SERVICE:			
ALL OTHER FOOD SERVICE WORKERS	50	.8	--
PHARMACY ASSISTANTS	20	.3	15
JANITORS AND CLEANERS	50	.8	12
ALL OTHER SERVICE WORKERS	60	.9	33
TOTAL SERVICE	180	2.8	--
6. AGRICULTURAL AND RELATED:			
ALL OTHER AGRICULTURAL AND REL WORKERS	50	.8	--
TOTAL AGRICULTURAL AND RELATED	50	.8	--
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
ELECTRIC APPLIANCE & POWER TOOL RPR	50	.8	27
ALL OTHER ELEC EQUIPMENT REPAIRERS	10	.2	--
WATCHMAKERS	10	.2	31
BICYCLE REPAIRERS	20	.3	39
ALL OTHER MECHANICS AND INSTALLERS	160	2.5	--
JEWELERS & SILVERSMITHS	60	.9	22
ALL OTHER PRECISION WORKERS	30	.4	--
ALL OTHER MACHINE OPERATORS&TENDERS	10	.2	--
ALL OTHER HAND WORKERS	10	.2	--
LIGHT TRUCK DRIVERS, INCL DELIVERY	110	1.7	24
DRIVER/SALES WORKERS	60	.9	43
ALL OTHER MOTOR VEHICLE OPERATORS	20	.3	--
ALL OTHER TRANSPORTATION RELATED WRK	10	.2	--
ALL OTHER FREIGHT & MATERIAL MOVERS	40	.6	18
TOTAL PROD, CONST, MAINT & HANDL	600	9.4	--
GRAND TOTAL OF INDUSTRY 59	6,390	100.0%	



ANNUAL AVERAGE EMPLOYMENT

YEAR	EMPLOYMENT
1976	4900
1977	5098
1978	5618
1979	5794
1980	5816
1981	5876
1982	5976
1983	5972
1984	6212
1985	6097

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

ELEMENTARY AND SECONDARY SCHOOLS

SIC 821

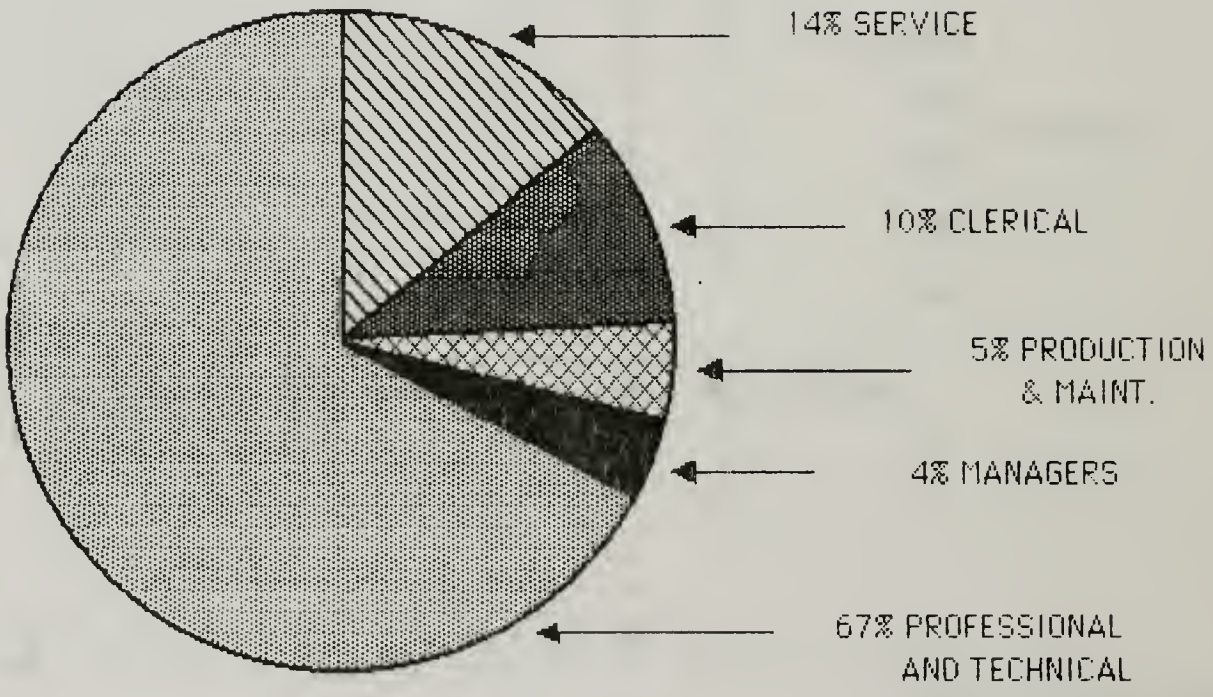


TABLE 17

INDUSTRY 821

ELEMENTARY AND SECONDARY SCHOOLS

ELEMENTARY AND SECONDARY SCHOOLS BELOW UNIVERSITY GRADE (ORDINARILY GRADES 1 THROUGH 12), INCLUDING DENOMINATIONAL AND SECTARIAN; KINDERGARTENS AND MILITARY ACADEMIES ARE ALSO INCLUDED.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FINANCIAL MANAGERS	20	.1	8
PERSONNEL AND RELATED MANAGERS	10	---	--
EDUCATION ADMINISTRATORS	740	3.0	3
COMMUN, TRANSP, AND UTILITY MGRS.	20	.1	6
FOOD SERVICE AND LODGING MANAGERS	30	.1	8
GENERAL MANAGERS AND TOP EXEC.	180	.8	5
ALL OTHER MANAGERS AND ADMIN.	30	.1	--
TOTAL MANAGERS AND ADMIN.	1,030	4.2	--
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	20	.1	19
ALL OTHER MGMT. SUPPORT WORKERS	40	.2	--
PSYCHOLOGISTS	130	.5	14
SOCIAL WORKERS, EXCEPT MEDICAL	20	.1	30
TEACHER, PRESCHOOL & KINDERGARTEN	520	2.1	6
TEACHER, ELEMENTARY SCHOOL	6,180	25.0	4
TEACHER, SECONDARY SCHOOL	4,700	19.0	5
TEACHER, SPECIAL EDUCATION	1,150	4.7	5
TEACHER, VOCATIONAL EDUCATN & TRAING	380	1.5	16
INSTRUCTOR, NONVOCATIONAL EDUCATION	190	.8	19
INSTRUCTORS & COACHES, SPORTS	650	2.6	29
ALL OTHER TEACHERS & INSTRUCTORS	290	1.2	30
LIBRARIANS	380	1.5	4
LIBRARY ASSISTANTS	100	.4	12
AUDIO-VISUAL SPECIALISTS	30	.1	15
VOCATIONAL & EDUC COUNSELORS	260	1.1	7
INSTRUCTIONAL COORDINATORS	30	.1	21
TEACHER AIDES, PARAPROFESSIONAL	1,170	4.7	7
SPEECH & HEARING THERAPISTS	150	.6	14
REGISTERED NURSES	60	.3	10
ALL OTHER HEALTH PROF & TECH.	30	.1	--
ATHLETES, COACHES & RELATED	10	---	29
ALL OTHER PROF,PARAPROF,TECHNICAL	30	.1	--
TOTAL PROFESSIONAL AND TECH.	16,520	66.8	--

TABLE 17 (CONTINUED)

INDUSTRY 821

ELEMENTARY AND SECONDARY SCHOOLS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
3. SALES AND RELATED:			
CASHIERS	50	.2	29
TOTAL SALES AND RELATED	50	.2	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	50	.2	14
LIBRARY ASSIST. & BOOKMOBILE DRIVERS	90	.4	14
CLERICAL TEACHER AIDES & EDUC ASSIST.	680	2.8	12
SECRETARIES	890	3.6	6
STENOGRAPHERS	20	.1	40
RECEPTIONISTS AND INFORMATION CLERKS	10	---	40
TYPISTS	30	.1	45
BOOKKEEPING AND ACCOUNTING CLERKS	290	1.2	10
PAYROLL AND TIMEKEEPING CLERKS	30	.1	6
GENERAL OFFICE CLERKS	230	1.0	20
DUPLICATING MACHINE OPERATORS	20	.1	17
ALL OTHER OFFICE MACHINE OPERATORS	10	---	--
STOCK CLERKS, STOCKROOM & WAREHOUSE	10	---	--
ALL OTHER MATERIAL SCHED & DISTRIBUT.	10	---	--
ALL OTHER CLERICAL & ADMIN SUPPORT	120	.5	--
TOTAL CLERICAL AND ADMIN. SUPPORT	2,490	10.1	--
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	50	.2	22
CROSSING GUARDS	100	.4	9
ALL OTHER PROTECTIVE SERVICE WORKERS	90	.4	25
DINING ROOM & CAFETERIA ATTENDANTS	190	.8	19
LUNCHROOM/CAFETERIA COUNTER ATTENDANTS	120	.5	26
COOKS, INSTITUTION OR CAFETERIA	530	2.1	5
FOOD PREPARATION WORKERS	570	2.3	5
ALL OTHER FOOD SERVICE WORKERS	80	.3	12
MAIDS AND HOUSEKEEPING CLEANERS	40	.2	32
JANITORS AND CLEANERS	1,570	6.3	3
CHILD CARE WORKERS	40	.2	38
ALL OTHER SERVICE WORKERS	20	.1	28
TOTAL SERVICE	3,400	13.8	--

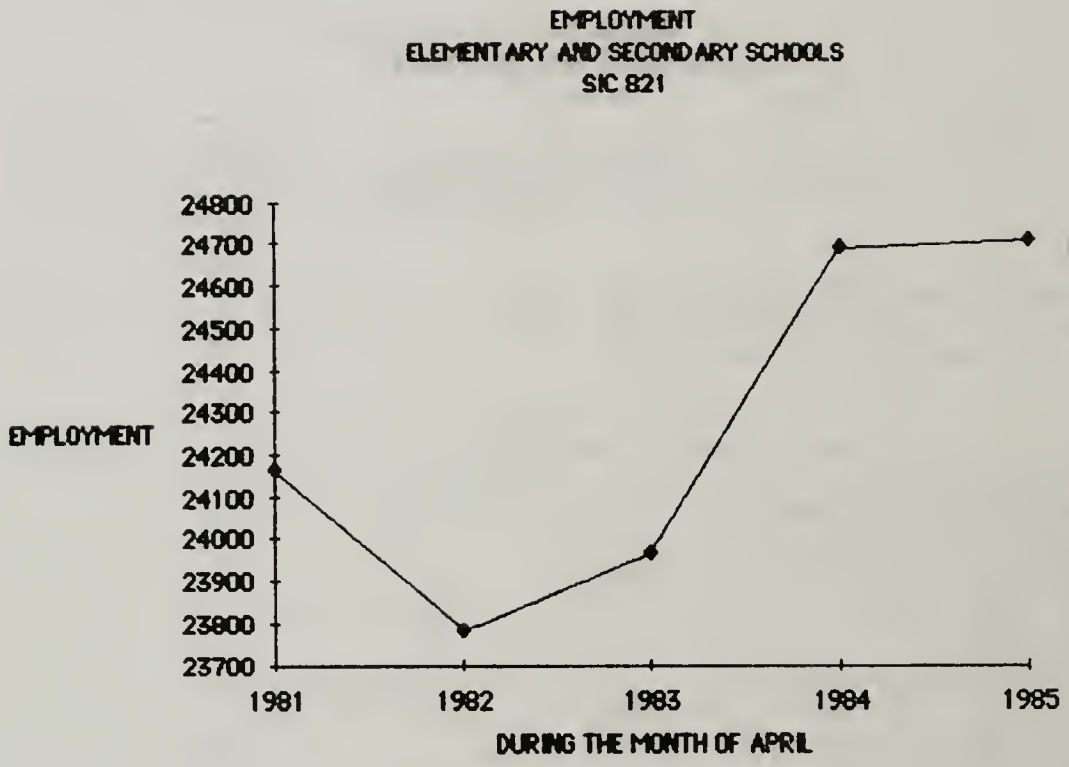
TABLE 17 (CONTINUED)

INDUSTRY 821

ELEMENTARY AND SECONDARY SCHOOLS

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
6. AGRICULTURAL AND RELATED:			
GARDENERS & GROUNDSKEEPERS,EXCEPT FARM	20	.1	23
TOTAL AGRICULTURAL AND RELATED	20	.1	--
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVISORS, ALL OTHER	10	---	--
MAINTENANCE REPAIRERS, GEN. UTILITY	180	.7	9
BUS,TRUCK & DIESEL ENGINE MECHANICS	20	.1	14
ALL OTHER MECHANICS AND INSTALLERS	20	.1	--
CARPENTERS	20	.1	13
PAINTERS AND PAPERHANGERS	10	---	17
ALL OTHER CONSTRUCTION TRADES WORKER	10	---	--
LIGHT TRUCK DRIVERS, INCL DELIVERY	40	.2	15
SCHOOL BUS DRIVERS	880	3.6	7
ALL OTHER TRANSPORTATION RELATED WRK	10	---	--
TOTAL PROD, CONST, MAINT & HANDL	1,200	4.8	--
GRAND TOTAL OF INDUSTRY 821	24,710	100.0%	



EMPLOYMENT

APRIL	EMPLOYMENT
1981	24160
1982	23780
1983	23967
1984	24688
1985	24710

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS,
AND JUNIOR COLLEGES

SIC 822

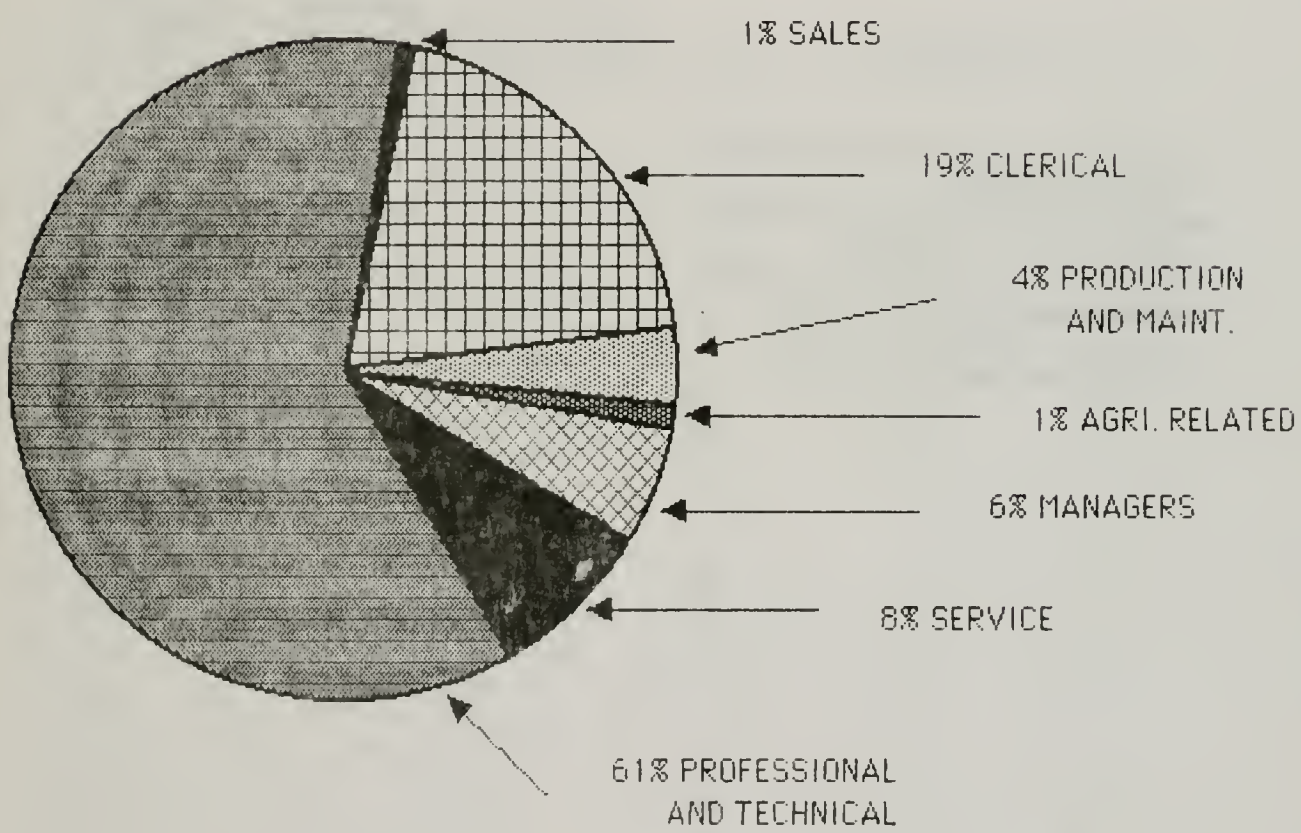


TABLE 18

INDUSTRY 822

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES

COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS GRANTING ACADEMIC DEGREES AND REQUIRING FOR ADMISSION AT LEAST A HIGH SCHOOL DIPLOMA OR EQUIVALENT GENERAL ACADEMIC TRAINING.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FINANCIAL MANAGERS	20	.3	15
ADMINISTRATIVE SERVICES MANAGERS	10	.2	8
EDUCATION ADMINISTRATORS	240	3.7	19
FOOD SERVICE AND LODGING MANAGERS	30	.4	14
GENERAL MANAGERS AND TOP EXEC.	40	.6	28
ALL OTHER MANAGERS AND ADMIN.	40	.6	--
TOTAL MANAGERS AND ADMIN.	380	5.8	--

TABLE 18 (CONTINUED)

INDUSTRY 822

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	20	.3	15
ALL OTHER FINANCIAL SPECIALISTS	20	.3	46
ALL OTHER MGMT. SUPPORT WORKERS	30	.5	--
ALL OTHER ENGINEERS	10	.2	--
ALL OTHER ENGINEERING TECHNICIANS	10	.2	--
ALL OTHER PHYSICAL SCIENTISTS	10	.2	22
ALL OTHER LIFE SCIENTISTS	20	.3	--
ALL OTHER SCIENCE TECHNICIANS	90	1.4	21
SYSTEMS ANALYSTS, ELEC. DATA PROCESS.	10	.2	14
COMPUTER PROGRAMMERS	40	.6	--
NURSING INSTRUCTORS	120	1.9	29
GRADUATE ASSISTANTS, TEACHING	800	12.2	2
TEACHER, LIFE SCIENCE (POSTSECONDARY)	290	4.4	11
TEACHER, CHEMISTRY (POSTSECONDARY)	80	1.2	3
TEACHER, PHYSICS (POSTSECONDARY)	50	.7	17
TEACHER, OTHER PHYS SCIENCE (POSTSEC)	50	.7	24
TEACHER, SOCIAL SCIENCE (POSTSEC)	220	3.4	15
TEACHER, HEALTH SPECIALTIES (POSTSEC)	40	.6	45
TEACHER, ENGLISH &LANGUAGES (POSTSEC)	200	3.0	13
TEACHER, ART,DRAMA & MUSIC(POSTSEC)	160	2.4	16
TEACHER, ENGINEERING (POSTSEC)	120	1.8	36
TEACHER, MATHEMATICS (POSTSEC)	120	1.8	3
TEACHER, COMPUTER SCIENCE (POSTSEC)	60	.9	7
ALL OTHER POSTSECONDARY TEACHER	570	8.7	5
INSTRUCTORS & COACHES, SPORTS	60	.9	43
FARM & HOME MANAGEMENT ADVISORS	170	2.6	36
ALL OTHER TEACHERS & INSTRUCTORS	70	1.1	--
LIBRARIANS	60	.9	6
LIBRARY ASSISTANTS	50	.7	12
VOCATIONAL & EDUC COUNSELORS	30	.5	16
REGISTERED NURSES	40	.6	28
ALL OTHER HEALTH PROF & TECH.	40	.6	--
WRITERS AND EDITORS	20	.3	12
ATHLETES, COACHES & RELATED	100	1.5	8
ALL OTHER PROF,PARAPROF,TECHNICAL	220	3.4	--
TOTAL PROFESSIONAL AND TECH.	4,000	61.0	--

TABLE 18 (CONTINUED)

INDUSTRY 822

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
3. SALES AND RELATED:			
CASHIERS	30	.4	5
TOTAL SALES AND RELATED	30	.4	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	70	1.0	29
LIBRARY ASSIST. & BOOKMOBILE DRIVERS	30	.5	45
SECRETARIES	420	6.4	8
RECEPTIONISTS AND INFORMATION CLERKS	40	.6	8
TYPISTS	60	.9	9
TYPISTS, WORD PROCESSING EQUIPMENT	30	.5	8
BOOKKEEPING AND ACCOUNTING CLERKS	80	1.2	3
GENERAL OFFICE CLERKS	130	2.0	27
DUPLICATING MACHINE OPERATORS	30	.5	--
COMPUTER OPERATORS	20	.3	6
DATA ENTRY KEYERS	10	.2	14
SWITCHBOARD OPERATORS	20	.3	33
MAIL CLERKS, EXCEPT MAIL MACHINE OPR.	20	.3	5
STOCK CLERKS, STOCKROOM & WAREHOUSE	30	.5	7
ALL OTHER CLERICAL & ADMIN SUPPORT	280	4.2	--
TOTAL CLERICAL AND ADMIN. SUPPORT	1,270	19.4	--
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	60	.9	--
GUARDS AND WATCH GUARDS	30	.4	11
COOKS, INSTITUTION OR CAFETERIA	50	.8	9
FOOD PREPARATION WORKERS	80	1.2	16
ALL OTHER FOOD SERVICE WORKERS	20	.3	--
JANITORS AND CLEANERS	310	4.7	2
ALL OTHER SERVICE WORKERS	10	.2	--
TOTAL SERVICE	560	8.5	--
6. AGRICULTURAL AND RELATED:			
GARDENERS & GROUNDSKEEPERS,EXCEPT FARM	20	.3	9
ALL OTHER AGRICULTURAL AND REL WORKERS	50	.8	--
TOTAL AGRICULTURAL AND RELATED	70	1.1	--

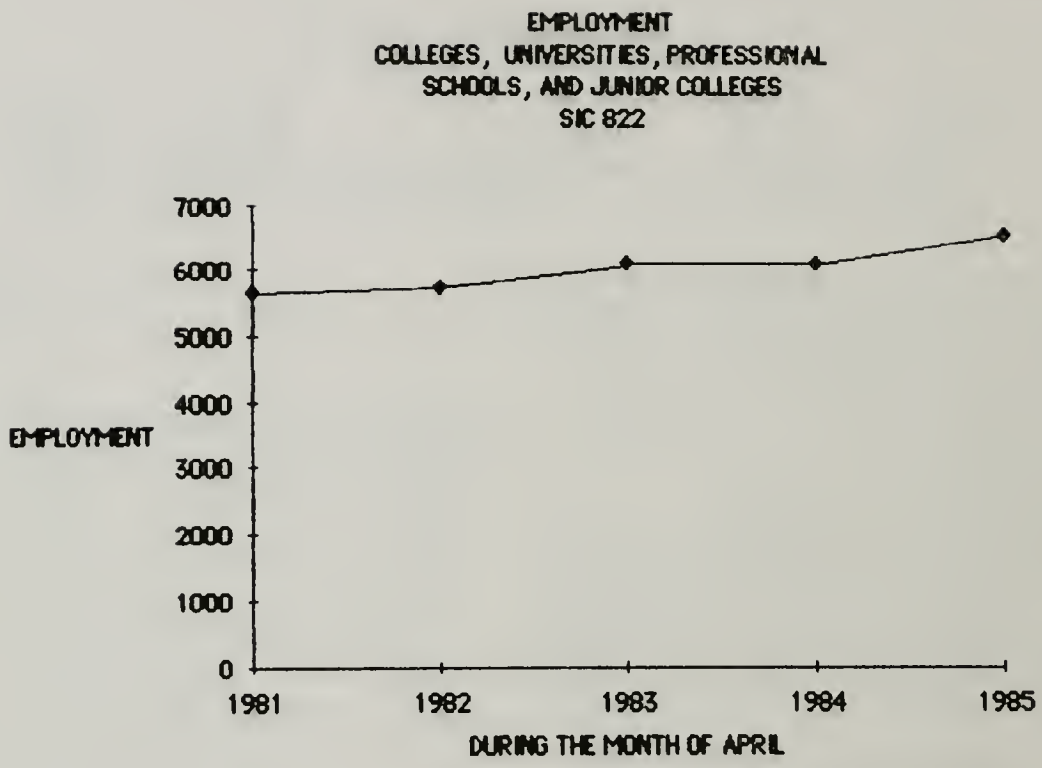
TABLE 18 (CONTINUED)

INDUSTRY 822

COLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVISORS, ALL OTHER	50	.8	--
MAINTENANCE REPAIRERS, GEN. UTILITY	50	.8	14
ALL OTHER MECHANICS AND INSTALLERS	10	.1	--
CARPENTERS	30	.6	5
ELECTRICIANS	20	.3	12
PAINTERS AND PAPERHANGERS	20	.3	13
PLUMBERS AND PIPEFITTERS	20	.3	19
ALL OTHER MACHINE OPERATORS&TENDERS	10	.1	--
ALL OTHER PLANT & SYSTEM OPERATORS	20	.3	19
ALL OTHER TRANSPORTATION RELATED WRK	10	.1	--
ALL OTHER MATERIAL MOVING EQUIP OPER	10	.1	--
TOTAL PROD, CONST, MAINT & HANDL	250	3.8	--
GRAND TOTAL OF INDUSTRY 822	6,560	100.0%	



EMPLOYMENT

APRIL	EMPLOYMENT
1981	5659
1982	5751
1983	6084
1984	6100
1985	6560

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

STATE GOVERNMENT
(EXCLUDING HOSPITALS AND EDUCATION)

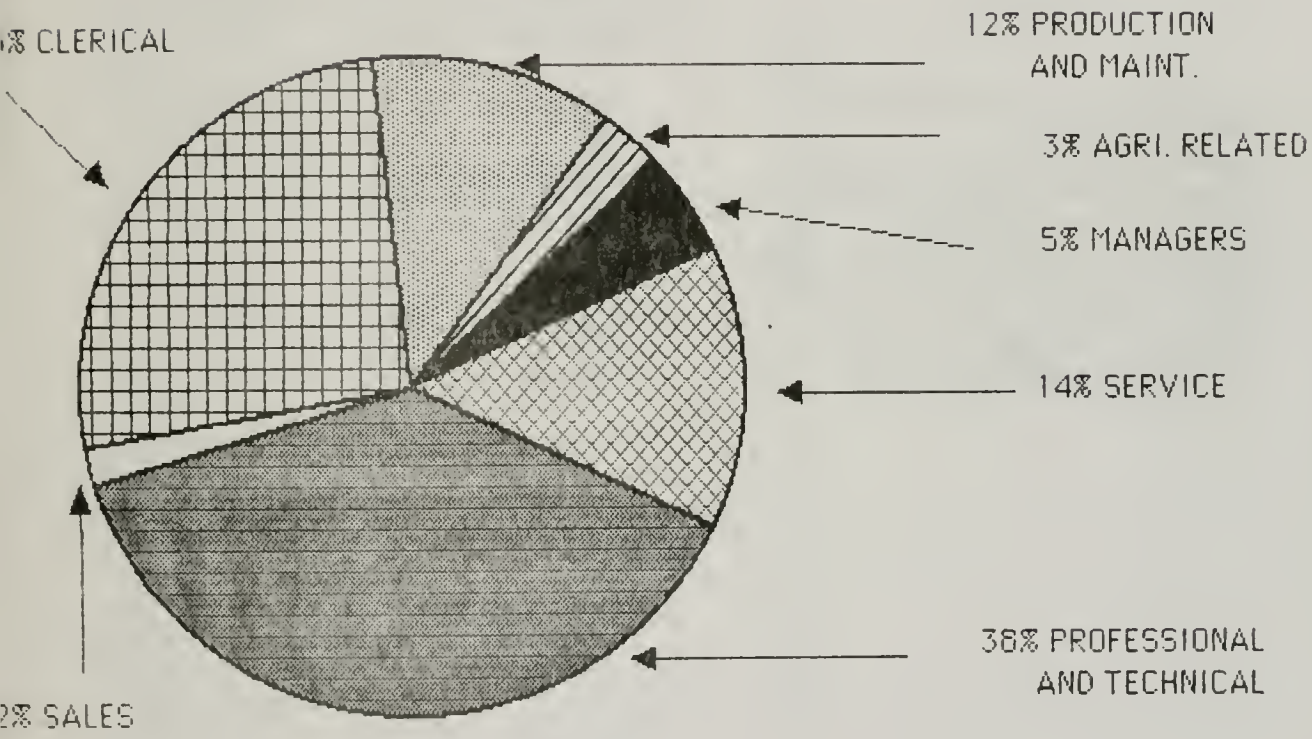


TABLE 19

STATE GOVERNMENT

THIS MAJOR GROUP INCLUDES THE LEGISLATIVE, JUDICIAL, ADMINISTRATIVE AND REGULATORY ACTIVITIES OF STATE GOVERNMENT. HOSPITAL AND EDUCATION UNITS ARE NOT INCLUDED IN THIS DATA.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FINANCIAL MANAGERS	20	.2	--
PERSONNEL AND RELATED MANAGERS	20	.2	--
ADMINISTRATIVE SERVICES MANAGERS	30	.3	--
EDUCATION ADMINISTRATORS	20	.2	--
MEDICINE AND HEALTH SERVICE MGRS.	20	.3	--
EXECUTIVES, LEGISLATORS AND ADMIN	40	.4	--
GENERAL MANAGERS AND TOP EXEC.	170	1.7	--
ALL OTHER MANAGERS AND ADMIN.	140	1.4	--
TOTAL MANAGERS AND ADMIN.	460	4.7	--

TABLE 19 (CONTINUED)

INDUSTRY STATE GOVERNMENT

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	110	1.1	--
BUDGET ANALYSTS	20	.2	--
ALL OTHER FINANCIAL SPECIALISTS	20	.2	--
PURCHASING AGENTS, ALL OTHERS	10	.1	--
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	100	1.0	--
EMPLOYMENT INTERVIEWERS	100	1.0	--
PERSONNEL AND RELATED SPECIALISTS	90	.9	--
MANAGEMENT ANALYSTS	60	.6	--
CONSTUCTION AND BUILDING INSPECTORS	80	.8	--
COMPLIANCE AND ENFORCEMENT INSPECTR.	240	2.5	--
TAX EXAMINERS/COLLECTORS AND RELATED	80	.8	--
ASSESSORS	290	3.0	--
ALL OTHER MGMT. SUPPORT WORKERS	320	3.3	--
CIVIL ENGINEERS, INCLUDING TRAFFIC	150	1.5	--
ALL OTHER ENGINEERS	20	.2	--
CIVIL ENGINEERING TECHNICIANS	310	3.2	--
DRAFTERS	20	.2	--
ALL OTHER ENGINEERING TECHNICIANS	20	.2	--
CHEMISTS	10	.1	--
ALL OTHER PHYSICAL SCIENTISTS	20	.2	--
FORESTERS AND CONSERVATION SCIENTISTS	50	.5	--
BIOLOGICAL SCIENTISTS	130	1.3	--
ALL OTHER LIFE SCIENTISTS	90	.9	--
ALL OTHER SCIENCE TECHNICIANS	20	.2	--
SYSTEMS ANALYSTS, ELEC. DATA PROCESS.	50	.5	--
COMPUTER PROGRAMMERS	80	.8	--
MATHEMATICAL AND RELATED SCIENTISTS	10	.1	--
ECONOMISTS,INCL MARKETING RESEARCH	40	.4	--
URBAN AND REGIONAL PLANNERS	20	.2	--
PSYCHOLOGISTS	10	.1	--
SOCIAL WORKERS, MEDICAL	20	.2	--
SOCIAL WORKERS, EXCEPT MEDICAL	360	3.7	--
SOCIAL SERVICE TECHNICIANS	10	.1	--
JUDGES AND MAGISTRATES	40	.4	--
ADJUDICATORS AND RELATED	20	.2	--
LAWYERS	100	1.0	--
PARALEGAL PERSONNEL	20	.2	--
LIBRARIANS	20	.2	--
VOCATIONAL & EDUC COUNSELORS	30	.3	--
INSTRUCTIONAL COORDINATORS	10	.1	--
ALL OTHER THERAPISTS	10	.1	--
REGISTERED NURSES	50	.5	--
LICENSED PRACTICAL NURSES	50	.5	--
ALL OTHER HEALTH PROF & TECH.	120	1.2	--
PUBLIC RELATIONS SPECIALISTS	30	.3	--
ALL OTHER PROF,PARAPROF,TECHNICAL	280	2.9	--
TOTAL PROFESSIONAL AND TECH.	3,740	38.0	--

TABLE 19 (CONTINUED)

INDUSTRY STATE GOVERNMENT

OCCUPATIONAL ESTIMATES

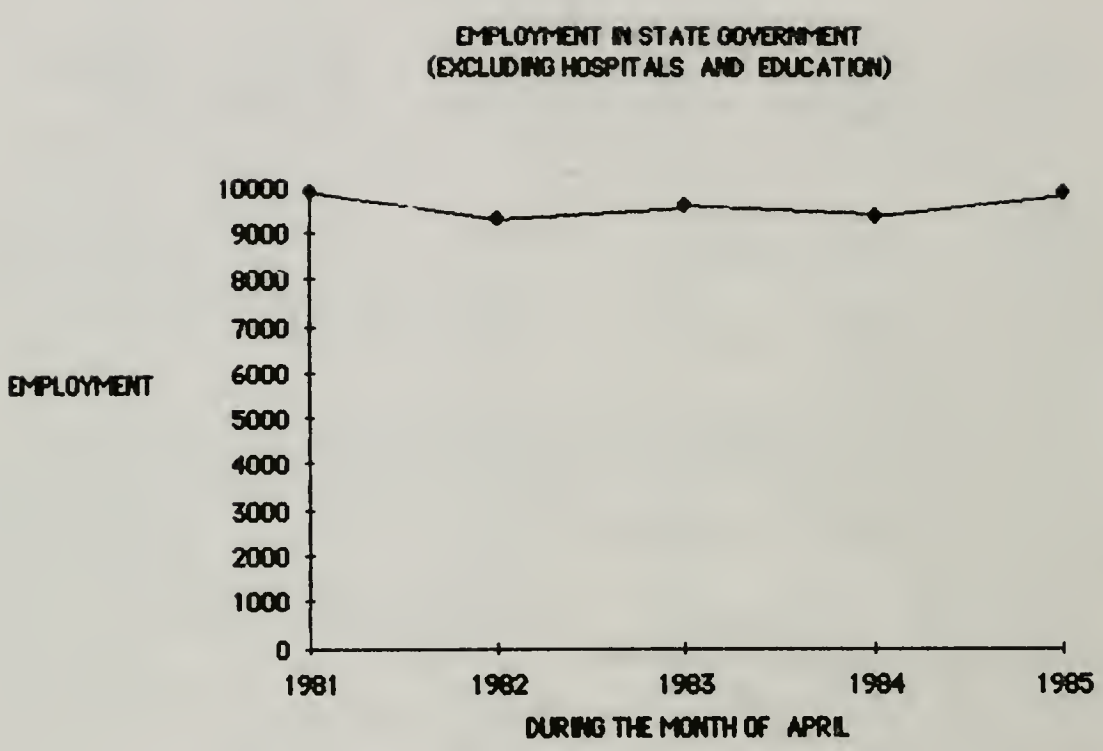
OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
3. SALES AND RELATED:			
SUPERVISORS, SALES & RELATED	70	.7	--
RETAIL SALESPERSONS	150	1.5	--
ALL OTHER SALES AND RELATED WORKERS	10	.1	--
TOTAL SALES AND RELATED	230	2.3	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	110	1.1	--
WELFARE ELIGIBILITY WORKERS & INTERVR	210	2.1	--
COURT CLERKS	10	.1	--
LICENSE CLERKS	20	.2	--
LIBRARY ASSIST. & BOOKMOBILE DRIVERS	20	.2	--
CLERICAL TEACHER AIDES & EDUC ASSIST.	10	.1	--
SECRETARIES	240	2.5	--
STENOGRAPHERS	10	.1	--
RECEPTIONISTS AND INFORMATION CLERKS	50	.5	--
TYPISTS	120	1.2	--
TYPISTS, WORD PROCESSING EQUIPMENT	140	1.4	--
PERSONNEL CLERKS, EXCEPT PAYROLL	20	.2	--
FILE CLERKS	10	.1	--
STATISTICAL CLERKS	40	.4	--
BOOKKEEPING AND ACCOUNTING CLERKS	250	2.6	--
PAYROLL AND TIMEKEEPING CLERKS	20	.2	--
BILLING, COST AND RATE CLERKS	230	2.3	--
GENERAL OFFICE CLERKS	470	4.8	--
COMPUTER OPERATORS	40	.4	--
PERIPHERAL EDP EQUIPMENT OPERATORS	20	.2	--
DATA ENTRY KEYERS	120	1.2	--
ALL OTHER OFFICE MACHINE OPERATORS	40	.4	--
SWITCHBOARD OPERATORS	10	.1	--
MAIL CLERKS, EXCEPT MAIL MACHINES OPR	30	.3	--
TRAFFIC, SHIPPING & RECEIVING CLERKS	30	.3	--
ALL OTHER CLERICAL & ADMIN SUPPORT	250	2.6	--
TOTAL CLERICAL AND ADMIN. SUPPORT	2,520	25.6	--

TABLE 19 (CONTINUED)

INDUSTRY STATE GOVERNMENT

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
SUPERVISORS, ALL OTHER SERVICE	40	.4	--
FIRE FIGHTERS	20	.2	--
POLICE PATROL OFFICERS	190	1.9	--
CORRECTION OFFICERS & JAILERS	220	2.3	--
FISH AND GAME WARDENS	70	.7	--
GUARDS AND WATCH GUARDS	30	.3	--
ALL OTHER PROTECTIVE SERVICE WORKERS	50	.5	--
COOKS, INSTITUTION OR CAFETERIA	50	.5	--
FOOD PREPARATION WORKERS	70	.7	--
NURSING AIDES, ORDERLIES & ATTENDANTS	30	.3	--
HOME HEALTH AIDES	290	3.0	--
PSYCHIATRIC AIDES	70	.7	--
ALL OTHER HEALTH SERVICE WORKERS	20	.2	--
CLEANING & BUILDING SERVICE WORKERS	90	.9	--
SOCIAL WELFARE SERVICE AIDES	20	.2	--
ALL OTHER SERVICE WORKERS	170	1.7	--
TOTAL SERVICE	1,430	14.5	--
6. AGRICULTURAL AND RELATED:			
FOREST AND CONSERVATION WORKERS	100	1.0	--
GARDENERS & GROUNDSKEEPERS,EXCEPT FARM	10	.1	--
ALL OTHER AGRICULTURAL AND REL WORKERS	140	1.4	--
TOTAL AGRICULTURAL AND RELATED	250	2.5	--
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	20	.2	--
SUPERVISORS, ALL OTHER	180	1.8	--
MAINTENANCE REPAIRERS, GEN. UTILITY	60	.6	--
ALL OTHER MECHANICS AND INSTALLERS	90	.9	--
CARPENTERS	10	.1	--
PAINTERS AND PAPERHANGERS	20	.2	--
ALL OTHER CONSTRUCTION TRADES WORKER	20	.2	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	230	2.4	--
SERVICE STATION ATTENDANTS	20	.2	--
ALL OTHER TRANSPORTATION RELATED WRK	10	.1	--
OPERATING ENGINEERS	170	1.7	--
ALL OTHER MATERIAL MOVING EQUIP OPER	10	.1	--
ALL OTHER HELPERS,LABORERS,HAND WORK	380	3.9	--
TOTAL PROD, CONST, MAINT & HANDL	1,220	12.4	--
GRAND TOTAL OF STATE GOVERNMENT	9,850	100.0%	



EMPLOYMENT

APRIL	EMPLOYMENT
1981	9874
1982	9292
1983	9566
1984	9367
1985	9850

PERCENT DISTRIBUTION OF MAJOR OCCUPATIONAL GROUPS

LOCAL GOVERNMENT
(EXCLUDING HOSPITALS AND EDUCATION)

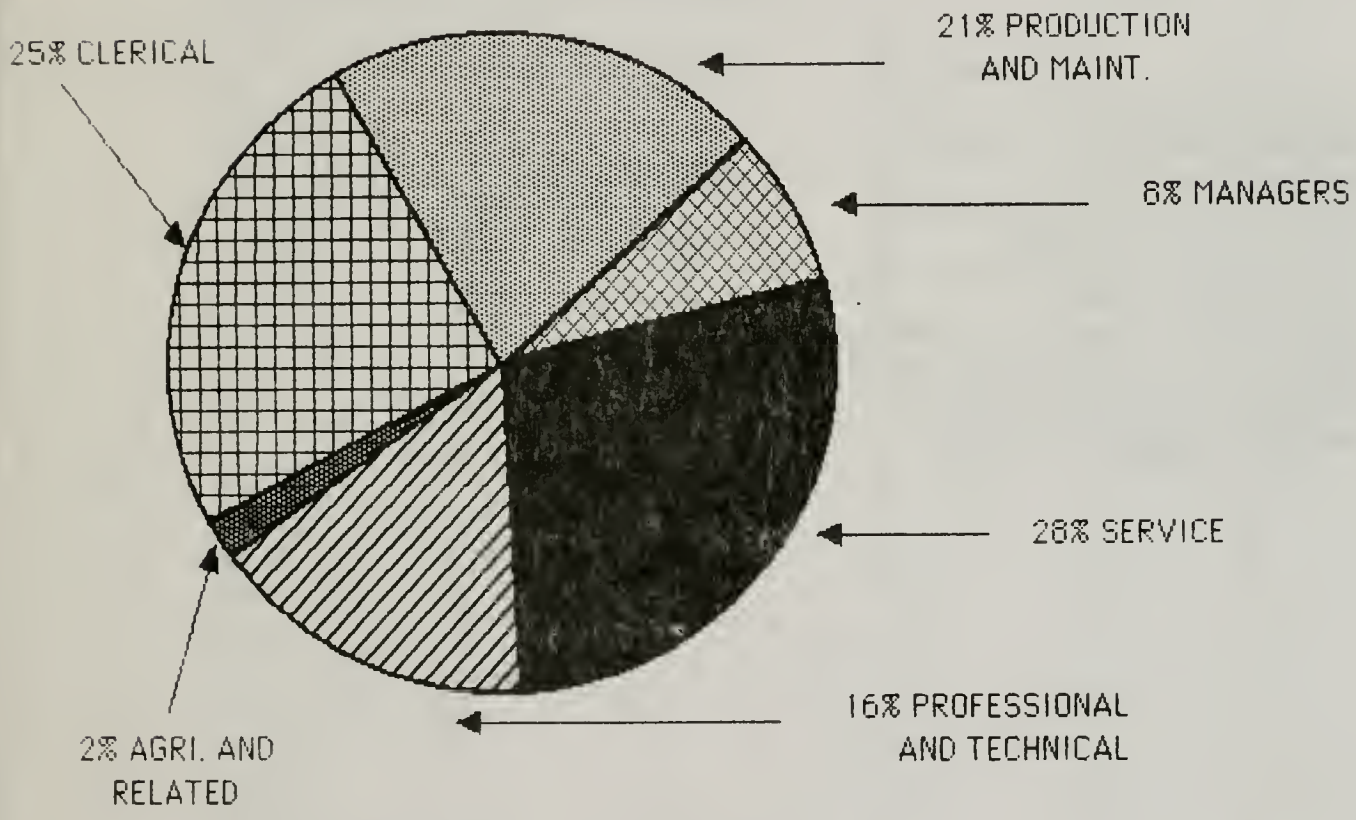


TABLE 20

LOCAL GOVERNMENT

THIS MAJOR GROUP INCLUDES THE LEGISLATIVE, JUDICIAL, ADMINISTRATIVE AND REGULATORY ACTIVITIES OF LOCAL GOVERNMENT. HOSPITAL AND EDUCATION UNITS ARE NOT INCLUDED IN THIS DATA.

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
1. MANAGERIAL AND ADMINISTRATIVE:			
FINANCIAL MANAGERS	70	.6	7
PERSONNEL AND RELATED MANAGERS	10	.1	19
PURCHASING MANAGERS	10	.1	18
ADMINISTRATIVE SERVICES MANAGERS	40	.3	26
EDUCATION ADMINISTRATORS	30	.2	12
MEDICINE AND HEALTH SERVICE MGRS.	30	.2	20
CONSTRUCTION MANAGERS	20	.2	44
COMMUN, TRANSP, AND UTILITY MGRS.	50	.4	38
EXECUTIVES, LEGISLATORS AND ADMIN	600	5.1	13
GENERAL MANAGERS AND TOP EXEC.	40	.3	31
ALL OTHER MANAGERS AND ADMIN.	40	.3	35
TOTAL MANAGERS AND ADMIN.	940	7.8	--

TABLE 20 (CONTINUED)

LOCAL GOVERNMENT

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
2. PROFESSIONAL AND TECHNICAL:			
ACCOUNTANTS AND AUDITORS	30	.2	7
BUDGET ANALYSTS	20	.2	8
CONSTUCTION AND BUILDING INSPECTORS	50	.4	15
TAX EXAMINERS/COLLECTORS AND RELATED	40	.3	24
ASSESSORS	20	.2	22
ALL OTHER MGMT. SUPPORT WORKERS	110	.9	--
CIVIL ENGINEERS, INCLUDING TRAFFIC	50	.4	14
ALL OTHER ENGINEERS	10	.1	--
SURVEYING AND MAPPING SCIENTISTS	10	.1	19
DRAFTERS	20	.2	21
SURVEYING AND MAPPING TECHNICIANS	20	.2	39
ALL OTHER ENGINEERING TECHNICIANS	30	.2	--
ALL OTHER PHYSICAL SCIENTISTS	10	.1	--
FORESTERS AND CONSERVATION SCIENTISTS	10	.1	26
AGRICULTURAL SCIENTISTS	10	.1	20
ALL OTHER SCIENCE TECHNICIANS	10	.1	--
SYSTEMS ANALYSTS, ELEC. DATA PROCESS.	10	.1	20
COMPUTER PROGRAMMERS	20	.2	12
COMPUTER PROGRAMMER AIDES	20	.2	29
URBAN AND REGIONAL PLANNERS	60	.5	28
SOCIAL WORKERS, MEDICAL	20	.2	16
SOCIAL WORKERS, EXCEPT MEDICAL	30	.2	32
SOCIAL SERVICE TECHNICIANS	30	.2	21
RECREATION WORKERS	50	.4	15
JUDGES AND MAGISTRATES	130	1.1	9
LAWYERS	180	1.5	8
LAW CLERKS	40	.3	21
PARALEGAL PERSONNEL	10	.1	26
ALL OTHER LEGAL ASST. AND TECHNICIANS	10	.1	--
FARM & HOME MANAGEMENT ADVISORS	100	.9	10
LIBRARIANS	120	1.0	16
LIBRARY ASSISTANTS	90	.7	18
REGISTERED NURSES	210	1.7	15
LICENSED PRACTICAL NURSES	90	.7	26
EMERGENCY MEDICAL TECHNICIANS	60	.5	18
DIETITIANS AND NUTRITIONISTS	50	.4	39
ALL OTHER HEALTH PROF & TECH.	40	.3	--
ALL OTHER PROF,PARAPROF,TECHNICAL	110	.9	--
TOTAL PROFESSIONAL AND TECH.	1,930	16.0	--

TABLE 20 (CONTINUED)

LOCAL GOVERNMENT

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
3. SALES AND RELATED:			
CASHIERS	30	.2	26
TOTAL SALES AND RELATED	30	.2	--
4. CLERICAL AND ADMINISTRATIVE SUPPORT:			
SUPERVR, CLERICAL AND ADMIN SUPPORT	130	1.1	17
WELFARE ELIGIBILITY WORKERS & INTERVR	20	.2	21
COURT CLERKS	200	1.7	9
MUNICIPAL CLERKS	130	1.1	21
LICENSE CLERKS	50	.4	21
LIBRARY ASSIST. & BOOKMOBILE DRIVERS	190	1.5	14
SECRETARIES	370	3.1	9
STENOGRAPHERS	90	.7	20
RECEPTIONISTS AND INFORMATION CLERKS	50	.4	16
TYPISTS	90	.7	4
TYPISTS, WORD PROCESSING EQUIPMENT	20	.2	21
FILE CLERKS	40	.3	12
CUSTOMER SERVICE REPS, UTILITIES	20	.2	40
BOOKKEEPING AND ACCOUNTING CLERKS	320	2.6	10
PAYROLL AND TIMEKEEPING CLERKS	60	.5	17
BILLING, COST AND RATE CLERKS	20	.2	25
GENERAL OFFICE CLERKS	670	5.5	8
BILLING, POST., AND CALC. MACH. OPERS	20	.2	32
COMPUTER OPERATORS	30	.2	31
PERIPHERAL EDP EQUIPMENT OPERATORS	10	.1	27
DATA ENTRY KEYERS	10	.1	20
ALL OTHER OFFICE MACHINE OPERATORS	10	.1	--
SWITCHBOARD OPERATORS	40	.3	19
DISPATCHERS, POLICE, FIRE & AMBULANCE	360	3.0	10
METER READERS, UTILITIES	40	.3	20
STOCK CLERKS, STOCKROOM & WAREHOUSE	10	.1	17
ALL OTHER MATERIAL SCHED & DISTRIBUT.	10	.1	--
ALL OTHER CLERICAL & ADMIN SUPPORT	40	.3	--
TOTAL CLERICAL AND ADMIN. SUPPORT	3,050	25.2	--

TABLE 20 (CONTINUED)

LOCAL GOVERNMENT

OCCUPATIONAL ESTIMATES

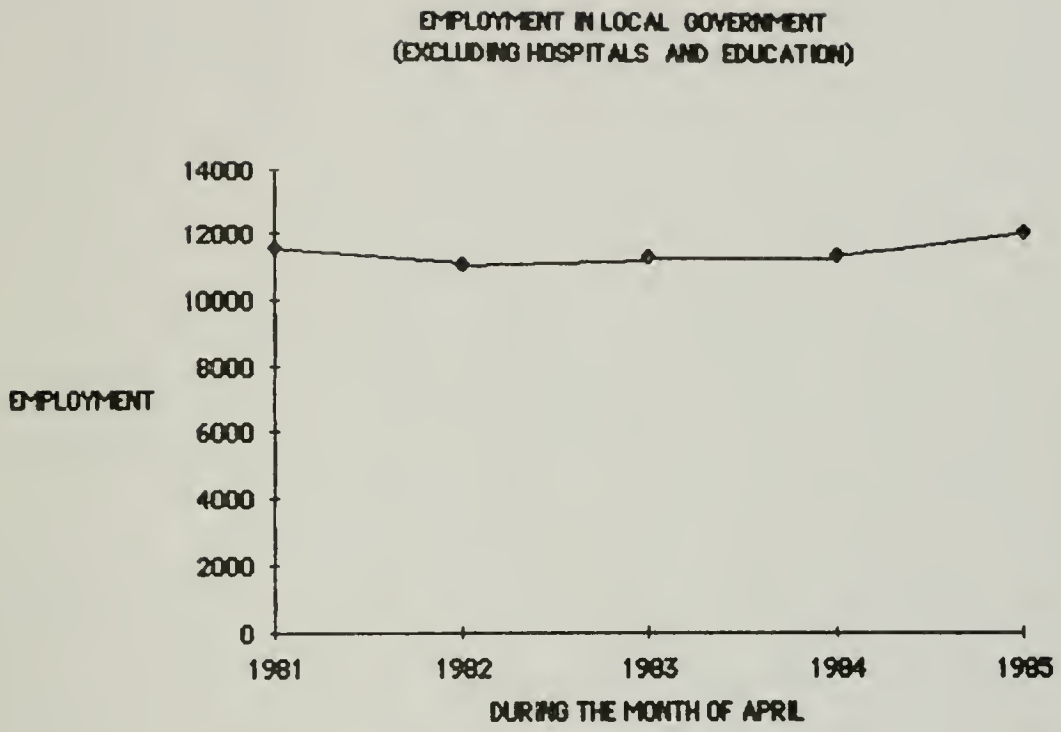
OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
5. SERVICE:			
SUPERVR, FIRE FIGHTING & PREVENTION	90	.7	25
SUPERVR, POLICE AND DETECTIVE	150	1.2	18
SUPERVISORS, ALL OTHER SERVICE	20	.2	--
FIRE INSPECTORS	10	.1	26
FIRE FIGHTERS	400	3.3	24
POLICE DETECTIVES	80	.7	20
POLICE PATROL OFFICERS	590	4.9	14
CORRECTION OFFICERS & JAILERS	120	1.0	17
PARKING ENFORCEMENT OFFICERS	40	.3	28
BAILIFFS	20	.2	28
SHERIFFS AND DEPUTY SHERIFFS	560	4.6	10
ALL OTHER PROTECTIVE SERVICE WORKERS	150	1.2	--
COOKS, INSTITUTION OR CAFETERIA	90	.7	11
FOOD PREPARATION WORKERS	70	.6	32
ALL OTHER FOOD SERVICE WORKERS	10	.1	--
NURSING AIDES, ORDERLIES & ATTENDANTS	420	3.5	28
HOME HEALTH AIDES	90	.7	18
AMBULANCE DRIVERS AND ATTENDANTS	20	.2	25
ALL OTHER HEALTH SERVICE WORKERS	10	.1	24
CLEANING & BUILDING SERVICE WORKERS	340	2.8	10
AMUSEMENT & RECREATION ATTENDANTS	50	.4	22
SOCIAL WELFARE SERVICE AIDES	10	.1	14
ALL OTHER SERVICE WORKERS	20	.2	--
TOTAL SERVICE	3,360	27.8	--
6. AGRICULTURAL AND RELATED:			
FOREST AND CONSERVATION WORKERS	10	.1	20
GARDENERS & GROUNDSKEEPERS,EXCEPT FARM	240	1.9	17
ANIMAL CARETAKERS, EXCEPT FARM	10	.1	36
ALL OTHER AGRICULTURAL AND REL WORKERS	10	.1	--
TOTAL AGRICULTURAL AND RELATED	270	2.2	--

TABLE 20 (CONTINUED)

LOCAL GOVERNMENT

OCCUPATIONAL ESTIMATES

OCCUPATION	ESTIMATED EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	PERCENT RELATIVE ERROR
7. PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE AND MATERIAL HANDLING:			
SUPERVR, MECHANICS,INSTALLERS&REPAIR	30	.2	34
SUPERVR, CONSTRUCTION AND RELATED	40	.3	14
SUPERVISORS, ALL OTHER	20	.2	--
MACHINERY MAINTENANCE,WATER OR POWER	50	.4	45
ALL OTHER MACHINERY MAINT. MECHANICS	10	.1	--
MAINTENANCE REPAIRERS, GEN. UTILITY	270	2.2	24
AUTOMOTIVE MECHANICS	30	.2	20
BUS,TRUCK & DIESEL ENGINE MECHANICS	50	.4	17
MOBILE HEAVY EQUIPMENT MECHANICS	20	.2	26
ALL OTHER MECHANICS AND INSTALLERS	10	.1	--
ELECTRICIANS	10	.1	36
PIPELAYERS	20	.2	26
PAVING & TAMPING EQUIP OPERATORS	20	.2	28
HIGHWAY MAINTENANCE WORKERS	790	6.6	5
ALL OTHER CONSTRUCTION TRADES WORKER	30	.2	--
WASTE TREATMENT PLANT OPERATORS	250	2.1	14
ALL OTHER PLANT & SYSTEM OPERATORS	30	.2	--
HEAVY TRUCK DRIVERS, INCL SEMI'S	130	1.1	19
LIGHT TRUCK DRIVERS, INCL DELIVERY	30	.2	38
BUS DRIVERS	70	.6	40
BRIDGE, LOCK & LIGHTHOUSE TENDERS	10	.1	--
ALL OTHER TRANSPORTATION RELATED WRK	30	.2	--
INDUSTRIAL TRUCK & TRACTOR OPERATORS	40	.3	26
OPERATING ENGINEERS	260	2.2	31
REFUSE COLLECTORS	150	1.2	16
ALL OTHER HELPERS,LABORERS,HAND WORK	110	1.0	--
TOTAL PROD, CONST, MAINT & HANDL	2,510	20.8	--
GRAND TOTAL OF INDUSTRY	12,090	100.0%	



EMPLOYMENT

APRIL	EMPLOYMENT
1981	11505
1982	11066
1983	11281
1984	11351
1985	12090

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The Montana State Job Service and Training Division maintains 24 local Job Service Offices in the principal cities of Montana. You are invited to call on any of these offices for assistance in filling positions in your organization, additional labor maket information, and for other services in connection with your employment problems.

500 copies of this publication were produced at a unit cost of $1.52 per copy, for a total cost of $760.00 which includes $320.00 for printing and $440.00 for distribution.